



**THE
GORDIAN
GROUP®**



Monterey County Roads and Bridges

Job Order Contracting

Construction Task Catalog®

**Volume I
(01 - 43)**

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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in August 2014.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading materials, tools and equipment within 125' of the site; moving materials, tools and equipment from storage area or truck up to 2 ½ stories (2 stories with an attic); layout, measuring and cutting to fit, labor to perform the task, permit compliance, start-up, clean-up of construction debris, job meetings, and time lost for normal work breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's

compensation, unemployment insurance and employee benefits.

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ Unit Prices include delivery, unloading and storing materials, tools and equipment on site; moving, materials, tools and equipment from storage area or truck to areas inside the building up to 2 ½ stories (2 stories with an attic) and within 125' to reach the

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site. If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices exclude moving material, tools and equipment to areas inside the building greater than 2 ½ stories and more than 125' to reach the site (See 01661900).
- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the demolished items; clean-up of the area; and moving demolished items inside the

building 2 ½ stories and within 125' of the site into a truck or dumpster or to a designated area for owner salvaged items.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), trash chutes (See 01741900), and moving demolished items inside the building more than 2 ½ stories or more than 125' from the site (See 01661900), unless the task description states otherwise.
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification

- project meetings, training, management and supervision
- mobilization and close-out for the contract and each Job Order and
- project office staff and equipment.
- Profit.
- Subcontractor's overhead and profit.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- Protection of all surfaces including those not in the scope of work from construction dust, debris or damage during construction up until final acceptance. The methods of protection including plastic, paper, sealing doors or windows, etc. are the Contractor's responsibility.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Personnel safety equipment (e.g. hard hats, safety harnesses (with lifeline or cabling), protective clothing, safety glasses, face shields, etc.), basic safety and warning signage, and minor barricades (e.g. construction tape, etc.).

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.

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- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

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

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

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

- Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within

or adjacent to the site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price

adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

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MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

BULK FACTORS FOR DEMOLITION:

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the site, unless otherwise directed by the Owner.

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:**Circle**

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

Cylinder

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

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

 $\pi = 3.14159$ **United Inch**

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

TRADEMARKS

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

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

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

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

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

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

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

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

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

01 22 16 00-0004 EA Reimbursable Fees 1.00
 Note: Reimbursable fees will be paid to the contractor for the actual cost, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.

01 22 20 Wage Rates ^(01 22)

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. Wage rates include base rate, fringe and an allowance for payroll taxes, worker's compensation, unemployment insurance, etc.

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

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

01 22 20 00-0002 HR Asbestos Removal Worker 58.27
 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 2.91
 For Apprentice, Deduct -11.65

01 22 20 00-0003 HR Brick Layer 73.85
 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 3.69
 For Apprentice, Deduct -14.77

01 22 20 00-0004 HR Carpenter 75.01
 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 3.75
 For Apprentice, Deduct -15.00

01 22 20 00-0005 HR Carpenter, Bridge Builder 86.76
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Apprentice, Deduct -17.35

01 22 20 00-0006 HR Cement Mason 63.80
 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 3.19
 For Apprentice, Deduct -12.76

01 22 20 00-0007 HR Electrician 81.94
 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 4.10
 For Apprentice, Deduct -16.39

01 22 20 00-0008 HR Electrician, Cable Splicer 83.01
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Apprentice, Deduct -16.60

01 22 20 00-0009 HR Electrical Groundman 83.01
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 4.15
 For Apprentice, Deduct -16.60

01 22 20 00-0010 HR High Voltage Electrician, (Utility Lineman) 77.56
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreman, Add 3.88
 For Apprentice, Deduct -15.51

01 22 20 00-0011 HR Communication And System Technician 64.30
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.

For Apprentice, Deduct -12.86

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0012	HR		Equipment Operator, Heavy (Crane) .....77.17 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.86	
			<i>For Apprentice, Deduct</i>	-15.43	
01 22 20 00-0013	HR		Equipment Operator, Medium (Bulldozer).....74.97 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.75	
			<i>For Apprentice, Deduct</i>	-14.99	
01 22 20 00-0014	HR		Equipment Operator, Light (Backhoe, Bobcat) .....70.36 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.52	
			<i>For Apprentice, Deduct</i>	-14.07	
01 22 20 00-0015	HR		Laborer .....66.17 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
01 22 20 00-0016	HR		Landscape Maintenance Laborer.....11.43 Note: Tasks in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
01 22 20 00-0017	HR		Millwright.....76.92 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.85	
			<i>For Apprentice, Deduct</i>	-15.38	
01 22 20 00-0018	HR		Mold Removal Worker .....61.36 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.07	
			<i>For Apprentice, Deduct</i>	-12.27	
01 22 20 00-0019	HR		Painter, Ordinary.....67.75 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.39	
			<i>For Apprentice, Deduct</i>	-13.55	
01 22 20 00-0020	HR		Painter, Structural Steel .....82.59 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	4.13	
			<i>For Apprentice, Deduct</i>	-16.52	
01 22 20 00-0021	HR		Pile Drivers .....88.05 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	4.40	
			<i>For Apprentice, Deduct</i>	-17.61	
01 22 20 00-0022	HR		Plasterer .....65.91 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.30	
			<i>For Apprentice, Deduct</i>	-13.18	
01 22 20 00-0023	HR		Plumber .....80.65 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	4.03	
			<i>For Apprentice, Deduct</i>	-16.13	
01 22 20 00-0024	HR		Powderman.....62.51 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.13	
			<i>For Apprentice, Deduct</i>	-12.50	
01 22 20 00-0025	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....77.85 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.89	
			<i>For Apprentice, Deduct</i>	-15.57	
01 22 20 00-0026	HR		Sheet Metal Worker .....83.97 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	4.20	
			<i>For Apprentice, Deduct</i>	-16.79	
01 22 20 00-0027	HR		Stone Mason.....73.85 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.69	
			<i>For Apprentice, Deduct</i>	-14.77	
01 22 20 00-0028	HR		Structural Steel Worker.....82.41 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	4.12	
			<i>For Apprentice, Deduct</i>	-16.48	
01 22 20 00-0029	HR		Tile Layer .....66.62 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i>	3.33	
			<i>For Apprentice, Deduct</i>	-13.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0030 HR Terrazzo Finisher.....	76.69	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.83	
For Apprentice, Deduct	-15.34	
01 22 20 00-0031 HR Truck Driver, Light	62.18	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.11	
For Apprentice, Deduct	-12.44	
01 22 20 00-0032 HR Truck Driver, Heavy	62.59	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.13	
For Apprentice, Deduct	-12.52	
01 22 20 00-0033 HR D1 Certified Welder	93.96	
Note: Tasks in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
01 22 20 00-0034 Rates For Services (01 22 20)		
01 22 20 00-0035 HR Watchman/Guard, Unarmed	16.78	
01 22 20 00-0036 HR Watchman/Guard, Armed	24.64	
01 22 20 00-0037 HR OSHA Testing.....	71.25	
01 22 20 00-0038 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0039 HR Investigating Senior Engineer Or Specialty Consultant	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0040 HR Industrial Hygienist	45.52	
01 22 20 00-0041 HR On Site Material Testing Technician	57.00	
01 22 20 00-0042 MI Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0043 EA Security Badge, Processing Fee.....	43.54	
01 22 20 00-0044 HR Biologist.....	132.00	
01 22 20 00-0045 HR Ecologist.....	145.00	
01 22 20 00-0046 Rates For Traffic Control (01 22 20)		
01 22 20 00-0047 HR Flagperson For Traffic Control.....	66.17	
01 22 20 00-0048 DAY Pilot Vehicle With Driver	737.74	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0049 HR California Highway Patrol Officer With Car	49.46	
For Each Mile, Add	0.56	
01 22 20 00-0050 HR California Highway Patrol Officer With Motorcycle.....	51.22	
For Each Mile, Add	0.90	
01 22 20 00-0051 HR California Highway Patrol Sergeant Officer With Car.....	62.13	
For Each Mile, Add	0.90	
01 22 20 00-0052 HR California Highway Patrol Sergeant Officer With Motorcycle	62.28	
For Each Mile, Add	0.90	
01 22 20 00-0053 Mobilize Equipment (01 22 20)		
01 22 20 00-0054 HR Escort Vehicle With Driver	69.87	
01 22 20 00-0055 HR Transport Vehicle With Driver.....	95.30	
01 22 23 Equipment Rentals (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®, for work above 14' for general construction and 4' for masonry, or for staging materials above 2-1/2 stories. Do not use these rental costs in addition to, or as a substitute for, any task. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift.....	443.64	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift.....	1,116.26	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,504.42	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	651.15	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,552.74	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,398.86	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,266.52	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	3,069.71	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	6,439.95	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	1,803.19	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,341.96	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0016	MO		110' Engine Powered, Telescoping Boom Manlift.....	10,819.12	
01 22 23 00-0017	DAY		120' Engine Powered, Telescoping Boom Manlift.....	2,196.74	
01 22 23 00-0018	WK		120' Engine Powered, Telescoping Boom Manlift.....	5,602.76	
01 22 23 00-0019	MO		120' Engine Powered, Telescoping Boom Manlift.....	12,736.79	
01 22 23 00-0020			Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021			Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY		34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0023	WK		34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0024	MO		34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0025	DAY		45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	397.42	
01 22 23 00-0026	WK		45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	868.66	
01 22 23 00-0027	MO		45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,156.31	
01 22 23 00-0028	DAY		60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	510.98	
01 22 23 00-0029	WK		60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,180.92	
01 22 23 00-0030	MO		60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,640.04	
01 22 23 00-0031	DAY		80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	891.37	
01 22 23 00-0032	WK		80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,100.68	
01 22 23 00-0033	MO		80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,108.61	
01 22 23 00-0034	DAY		125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,731.64	
01 22 23 00-0035	WK		125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,087.80	
01 22 23 00-0036	MO		125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	9,992.40	
01 22 23 00-0037			Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020) Note: For use on paved surfaces.		
01 22 23 00-0038	DAY		30' Electric, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0039	WK		30' Electric, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0040	MO		30' Electric, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0041	DAY		35' Electric, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0042	WK		35' Electric, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0043	MO		35' Electric, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0044	DAY		40' Electric, Articulating (Up/Over) Boom Manlift.....	386.07	
01 22 23 00-0045	WK		40' Electric, Articulating (Up/Over) Boom Manlift.....	834.59	
01 22 23 00-0046	MO		40' Electric, Articulating (Up/Over) Boom Manlift.....	2,072.29	
01 22 23 00-0047	DAY		45' Electric, Articulating (Up/Over) Boom Manlift.....	386.07	
01 22 23 00-0048	WK		45' Electric, Articulating (Up/Over) Boom Manlift.....	834.59	
01 22 23 00-0049	MO		45' Electric, Articulating (Up/Over) Boom Manlift.....	2,072.29	
01 22 23 00-0050			Platform Lifts (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051			Electric, Scissor Platform Lifts (01 22 23 00-0050) Note: For use on paved surfaces.		
01 22 23 00-0052	DAY		17' Electric, Scissor Platform Lift.....	144.14	
01 22 23 00-0053	WK		17' Electric, Scissor Platform Lift.....	288.29	
01 22 23 00-0054	MO		17' Electric, Scissor Platform Lift.....	589.68	
01 22 23 00-0055	DAY		20' Electric, Scissor Platform Lift.....	157.25	
01 22 23 00-0056	WK		20' Electric, Scissor Platform Lift.....	314.50	
01 22 23 00-0057	MO		20' Electric, Scissor Platform Lift.....	628.99	
01 22 23 00-0058	DAY		25' Electric, Scissor Platform Lift.....	203.11	
01 22 23 00-0059	WK		25' Electric, Scissor Platform Lift.....	406.22	
01 22 23 00-0060	MO		25' Electric, Scissor Platform Lift.....	871.42	
01 22 23 00-0061	DAY		30' Electric, Scissor Platform Lift.....	262.08	
01 22 23 00-0062	WK		30' Electric, Scissor Platform Lift.....	517.61	
01 22 23 00-0063	MO		30' Electric, Scissor Platform Lift.....	1,146.60	
01 22 23 00-0064	DAY		33' Electric, Scissor Platform Lift.....	281.74	
01 22 23 00-0065	WK		33' Electric, Scissor Platform Lift.....	550.37	
01 22 23 00-0066	MO		33' Electric, Scissor Platform Lift.....	1,244.88	
01 22 23 00-0067	DAY		40' Electric, Scissor Platform Lift.....	366.91	
01 22 23 00-0068	WK		40' Electric, Scissor Platform Lift.....	910.73	
01 22 23 00-0069	MO		40' Electric, Scissor Platform Lift.....	2,535.62	
01 22 23 00-0070			Engine Powered, Scissor Platform Lifts (01 22 23 00-0050) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY		25' Engine Powered, Scissor Platform Lift.....	294.84	
01 22 23 00-0072	WK		25' Engine Powered, Scissor Platform Lift.....	576.58	
01 22 23 00-0073	MO		25' Engine Powered, Scissor Platform Lift.....	1,408.68	
01 22 23 00-0074	DAY		33' Engine Powered, Scissor Platform Lift.....	301.39	
01 22 23 00-0075	WK		33' Engine Powered, Scissor Platform Lift.....	687.96	
01 22 23 00-0076	MO		33' Engine Powered, Scissor Platform Lift.....	1,506.96	
01 22 23 00-0077	DAY		40' Engine Powered, Scissor Platform Lift.....	334.15	
01 22 23 00-0078	WK		40' Engine Powered, Scissor Platform Lift.....	766.58	
01 22 23 00-0079	MO		40' Engine Powered, Scissor Platform Lift.....	1,703.52	
01 22 23 00-0080	DAY		43' Engine Powered, Scissor Platform Lift.....	353.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0081	WK		43' Engine Powered, Scissor Platform Lift.....	825.55	
01 22 23 00-0082	MO		43' Engine Powered, Scissor Platform Lift.....	2,031.12	
01 22 23 00-0083	DAY		50' Engine Powered, Scissor Platform Lift.....	661.75	
01 22 23 00-0084	WK		50' Engine Powered, Scissor Platform Lift.....	1,454.54	
01 22 23 00-0085	MO		50' Engine Powered, Scissor Platform Lift.....	3,577.39	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)					
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.					
01 22 23 00-0087	DAY		24', Push-Type, Electric Single Man Personnel Lift.....	146.25	
01 22 23 00-0088	WK		24', Push-Type, Electric Single Man Personnel Lift.....	414.38	
01 22 23 00-0089	MO		24', Push-Type, Electric Single Man Personnel Lift.....	836.88	
01 22 23 00-0090	DAY		30', Push-Type, Electric Single Man Personnel Lift.....	203.12	
01 22 23 00-0091	WK		30', Push-Type, Electric Single Man Personnel Lift.....	430.62	
01 22 23 00-0092	MO		30', Push-Type, Electric Single Man Personnel Lift.....	845.00	
01 22 23 00-0093	DAY		36', Push-Type, Electric Single Man Personnel Lift.....	341.25	
01 22 23 00-0094	WK		36', Push-Type, Electric Single Man Personnel Lift.....	828.75	
01 22 23 00-0095	MO		36', Push-Type, Electric Single Man Personnel Lift.....	2,421.25	
01 22 23 00-0096	DAY		40', Push-Type, Electric Single Man Personnel Lift.....	365.62	
01 22 23 00-0097	WK		40', Push-Type, Electric Single Man Personnel Lift.....	910.00	
01 22 23 00-0098	MO		40', Push-Type, Electric Single Man Personnel Lift.....	2,738.12	
01 22 23 00-0099	DAY		15', Self-Propelled, Electric Single Man Personnel Lift.....	195.00	
01 22 23 00-0100	WK		15', Self-Propelled, Electric Single Man Personnel Lift.....	390.00	
01 22 23 00-0101	MO		15', Self-Propelled, Electric Single Man Personnel Lift.....	780.00	
01 22 23 00-0102	DAY		20', Self-Propelled, Electric Single Man Personnel Lift.....	195.00	
01 22 23 00-0103	WK		20', Self-Propelled, Electric Single Man Personnel Lift.....	390.00	
01 22 23 00-0104	MO		20', Self-Propelled, Electric Single Man Personnel Lift.....	810.88	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)					
Note: Includes full-time operator, delivery, and removal.					
01 22 23 00-0106	DAY		48' Bucket Truck With Full-Time Operator.....	920.74	
			<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0107	WK		48' Bucket Truck With Full-Time Operator.....	4,003.72	
			<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0108	MO		48' Bucket Truck With Full-Time Operator.....	15,091.91	
			<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0109 Air Equipment (01 22 23)					
01 22 23 00-0110 Air Compressors (01 22 23 00-0109)					
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-0111	DAY		100 CFM Diesel Powered Portable Air Compressor.....	161.97	
01 22 23 00-0112	WK		100 CFM Diesel Powered Portable Air Compressor.....	485.91	
01 22 23 00-0113	MO		100 CFM Diesel Powered Portable Air Compressor.....	1,349.75	
01 22 23 00-0114	DAY		130 CFM Diesel Powered Portable Air Compressor.....	194.36	
01 22 23 00-0115	WK		130 CFM Diesel Powered Portable Air Compressor.....	572.29	
01 22 23 00-0116	MO		130 CFM Diesel Powered Portable Air Compressor.....	1,619.70	
01 22 23 00-0117	DAY		185 CFM Diesel Powered Portable Air Compressor.....	259.15	
01 22 23 00-0118	WK		185 CFM Diesel Powered Portable Air Compressor.....	583.09	
01 22 23 00-0119	MO		185 CFM Diesel Powered Portable Air Compressor.....	1,284.96	
01 22 23 00-0120	DAY		375 CFM Diesel Powered Portable Air Compressor.....	367.13	
01 22 23 00-0121	WK		375 CFM Diesel Powered Portable Air Compressor.....	928.63	
01 22 23 00-0122	MO		375 CFM Diesel Powered Portable Air Compressor.....	2,213.59	
01 22 23 00-0123	DAY		600 CFM Diesel Powered Portable Air Compressor.....	816.33	
01 22 23 00-0124	WK		600 CFM Diesel Powered Portable Air Compressor.....	1,965.24	
01 22 23 00-0125	MO		600 CFM Diesel Powered Portable Air Compressor.....	4,897.97	
01 22 23 00-0126	DAY		750 CFM Diesel Powered Portable Air Compressor.....	982.62	
01 22 23 00-0127	WK		750 CFM Diesel Powered Portable Air Compressor.....	2,418.75	
01 22 23 00-0128	MO		750 CFM Diesel Powered Portable Air Compressor.....	5,938.90	
01 22 23 00-0129	DAY		825 CFM Diesel Powered Portable Air Compressor.....	982.62	
01 22 23 00-0130	WK		825 CFM Diesel Powered Portable Air Compressor.....	2,418.75	
01 22 23 00-0131	MO		825 CFM Diesel Powered Portable Air Compressor.....	5,938.90	
01 22 23 00-0132	DAY		1,300 CFM Diesel Powered Portable Air Compressor.....	1,144.59	
01 22 23 00-0133	WK		1,300 CFM Diesel Powered Portable Air Compressor.....	2,565.60	
01 22 23 00-0134	MO		1,300 CFM Diesel Powered Portable Air Compressor.....	6,841.61	
01 22 23 00-0135	DAY		1,600 CFM Diesel Powered Portable Air Compressor.....	1,425.34	
01 22 23 00-0136	WK		1,600 CFM Diesel Powered Portable Air Compressor.....	3,207.01	
01 22 23 00-0137	MO		1,600 CFM Diesel Powered Portable Air Compressor.....	8,552.02	
01 22 23 00-0138 Negative Air Machines (01 22 23 00-0109)					
Note: Includes delivery to job site and pick-up when complete. Excludes operator.					
01 22 23 00-0139	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	56.00	
01 22 23 00-0140	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	230.00	
01 22 23 00-0141	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	695.00	
01 22 23 00-0142	EA		Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	193.55	
Note: Required if over 800 hours operation.					
01 22 23 00-0143	LF		Discharge Flexible Duct For Negative Air Machine.....	1.79	

01	01	General Requirements
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0144	Compaction And Paving Equipment <small>(01 22 23)</small>	
01 22 23 00-0145	Pavers And Rollers <small>(01 22 23 00-0144)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0146	Pavers <small>(01 22 23 00-0145)</small>	
01 22 23 00-0147	DAY 10' Wide Paving Machine With Full-Time Operator 4,387.20 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0148	WK 10' Wide Paving Machine With Full-Time Operator 14,361.12 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0149	MO 10' Wide Paving Machine With Full-Time Operator 47,886.82 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0150	Ride-On Self-Propelled, Rubber Tire Rollers <small>(01 22 23 00-0145)</small>	
01 22 23 00-0151	DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 1,014.77 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0152	WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 4,254.00 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0153	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 16,333.22 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0154	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 1,174.95 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0155	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 5,445.18 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0156	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator 18,131.63 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0157	DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator 1,182.23 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0158	WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator 4,971.91 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0159	MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator 18,481.11 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0160	Ride-On Self-Propelled, Padfoot Rollers <small>(01 22 23 00-0145)</small>	
01 22 23 00-0161	DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 1,080.30 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0162	WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 4,331.18 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0163	MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 16,777.36 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0164	DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 1,386.10 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0165	WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 4,950.07 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0166	MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 18,728.67 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0167	DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 1,458.91 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0168	WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 5,408.77 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0169	MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator 20,010.12 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0170	Towed, Padfoot Rollers <small>(01 22 23 00-0145)</small>	
01 22 23 00-0171	DAY 48" Wide, 40" Diameter, Towed Padfoot Roller 138.34	
01 22 23 00-0172	WK 48" Wide, 40" Diameter, Towed Padfoot Roller 400.46	
01 22 23 00-0173	MO 48" Wide, 40" Diameter, Towed Padfoot Roller 1,179.52	
01 22 23 00-0174	DAY 60" Wide, 60" Diameter, Towed Padfoot Roller 174.74	
01 22 23 00-0175	WK 60" Wide, 60" Diameter, Towed Padfoot Roller 487.83	
01 22 23 00-0176	MO 60" Wide, 60" Diameter, Towed Padfoot Roller 2,075.08	
01 22 23 00-0177	Static Rollers <small>(01 22 23 00-0145)</small>	
01 22 23 00-0178	DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator 1,116.70 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0179	WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator 4,644.27 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0180	MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator 17,803.98 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0181	DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator 1,276.88 <i>For Equipment Without Operator, Deduct</i> -599.75	
01 22 23 00-0182	WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator 5,081.13 <i>For Equipment Without Operator, Deduct</i> -2,998.76	
01 22 23 00-0183	MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator 18,992.98 <i>For Equipment Without Operator, Deduct</i> -12,925.71	
01 22 23 00-0184	Ride-On Self-Propelled, Smooth Drum Vibratory Rollers <small>(01 22 23 00-0145)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0185 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,065.73 -599.75	
01 22 23 00-0186 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,374.87 -2,998.76	
01 22 23 00-0187 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,566.21 -12,925.71	
01 22 23 00-0188 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,160.39 -599.75	
01 22 23 00-0189 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,651.55 -2,998.76	
01 22 23 00-0190 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,287.03 -12,925.71	
01 22 23 00-0191 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,349.69 -599.75	
01 22 23 00-0192 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,204.90 -2,998.76	
01 22 23 00-0193 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,750.51 -12,925.71	
01 22 23 00-0194 Steel Plates (01 22 23 00-0144) Note: 3 day minimum.		
01 22 23 00-0195 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0196 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0197 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0198 DAY 1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0199 WK 1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0200 MO 1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0201 DAY 1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0202 WK 1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0203 MO 1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0204 DAY 1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0205 WK 1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0206 MO 1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0207 DAY 1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0208 WK 1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0209 MO 1" x 6' x 10' Steel Plate	109.89	
01 22 23 00-0210 DAY 1" x 6' x 12' Steel Plate	43.75	
01 22 23 00-0211 WK 1" x 6' x 12' Steel Plate	55.99	
01 22 23 00-0212 MO 1" x 6' x 12' Steel Plate	151.55	
01 22 23 00-0213 DAY 1" x 8' x 10' Steel Plate	27.60	
01 22 23 00-0214 WK 1" x 8' x 10' Steel Plate	61.98	
01 22 23 00-0215 MO 1" x 8' x 10' Steel Plate	165.09	
01 22 23 00-0216 DAY 1" x 8' x 12' Steel Plate	50.00	
01 22 23 00-0217 WK 1" x 8' x 12' Steel Plate	61.98	
01 22 23 00-0218 MO 1" x 8' x 12' Steel Plate	299.98	
01 22 23 00-0219 DAY 1" x 8' x 16' Steel Plate	66.66	
01 22 23 00-0220 WK 1" x 8' x 16' Steel Plate	149.99	
01 22 23 00-0221 MO 1" x 8' x 16' Steel Plate	399.97	
01 22 23 00-0222 DAY 1-1/4" x 8' x 10' Steel Plate	33.12	
01 22 23 00-0223 WK 1-1/4" x 8' x 10' Steel Plate	74.37	
01 22 23 00-0224 MO 1-1/4" x 8' x 10' Steel Plate	198.11	
01 22 23 00-0225 DAY 1-1/2" x 8' x 15' Steel Plate	76.66	
01 22 23 00-0226 WK 1-1/2" x 8' x 15' Steel Plate	172.49	
01 22 23 00-0227 MO 1-1/2" x 8' x 15' Steel Plate	459.97	
01 22 23 00-0228 LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.61	0.82
01 22 23 00-0229 EA Remove And Reset Trench Plate	22.10	
01 22 23 00-0230 Street Sweepers (01 22 23 00-0144) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0231 DAY 8' Broom Sweeper With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	801.47 -562.88	
01 22 23 00-0232 WK 8' Broom Sweeper With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,461.25 -2,814.41	
01 22 23 00-0233 MO 8' Broom Sweeper With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	14,182.94 -12,131.07	
01 22 23 00-0234 DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i>	1,022.61 -562.88	
01 22 23 00-0235 WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i>	4,913.26 -2,814.41	
01 22 23 00-0236 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i>	20,102.12 -12,131.07	
01 22 23 00-0237 Earthmoving Equipment (01 22 23)		
01 22 23 00-0238 Skid-Steer Loaders (Bobcat) (01 22 23 00-0237) Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		

01	General Requirements
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0239 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	805.92	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0240 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,501.00	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0241 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	13,966.02	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0242 DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	787.69	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0243 WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,488.85	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0244 MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	13,741.21	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0245 DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	944.01	
<i>For Equipment Without Operator, Deduct</i>	-591.60	
01 22 23 00-0246 WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,057.77	
<i>For Equipment Without Operator, Deduct</i>	-2,958.01	
01 22 23 00-0247 MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	15,417.40	
<i>For Equipment Without Operator, Deduct</i>	-12,750.04	
01 22 23 00-0248 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders.....	182.28	
01 22 23 00-0249 WK Hydraulic Hammer Attachment For Skid-Steer Loaders.....	498.23	
01 22 23 00-0250 MO Hydraulic Hammer Attachment For Skid-Steer Loaders.....	1,415.71	
01 22 23 00-0251 DAY Forklift Attachment For Skid-Steer Loaders.....	52.25	
01 22 23 00-0252 WK Forklift Attachment For Skid-Steer Loaders.....	139.75	
01 22 23 00-0253 MO Forklift Attachment For Skid-Steer Loaders.....	394.94	
01 22 23 00-0254 DAY Backhoe Attachment For Skid-Steer Loaders.....	115.44	
01 22 23 00-0255 WK Backhoe Attachment For Skid-Steer Loaders.....	277.07	
01 22 23 00-0256 MO Backhoe Attachment For Skid-Steer Loaders.....	689.02	
01 22 23 00-0257 DAY Broom Attachment For Skid-Steer Loaders.....	114.23	
01 22 23 00-0258 WK Broom Attachment For Skid-Steer Loaders.....	309.88	
01 22 23 00-0259 MO Broom Attachment For Skid-Steer Loaders.....	820.26	
01 22 23 00-0260 DAY 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	76.56	
01 22 23 00-0261 WK 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	243.04	
01 22 23 00-0262 MO 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	577.22	
01 22 23 00-0263 Bulldozers <small>(01 22 23 00-0237)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0264 DAY 70 HP, D3 Bulldozer With Full-Time Operator.....	984.32	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0265 WK 70 HP, D3 Bulldozer With Full-Time Operator.....	4,515.26	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0266 MO 70 HP, D3 Bulldozer With Full-Time Operator.....	17,424.43	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0267 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,165.72	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0268 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,248.12	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0269 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	19,673.79	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0270 DAY 140 HP, D6 Bulldozer With Full-Time Operator.....	1,680.89	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0271 WK 140 HP, D6 Bulldozer With Full-Time Operator.....	7,308.82	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0272 MO 140 HP, D6 Bulldozer With Full-Time Operator.....	25,841.39	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0273 DAY 200 HP, D7 Bulldozer With Full-Time Operator.....	2,138.02	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0274 WK 200 HP, D7 Bulldozer With Full-Time Operator.....	9,144.59	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0275 MO 200 HP, D7 Bulldozer With Full-Time Operator.....	31,353.95	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0276 DAY 335 HP, D8 Bulldozer With Full-Time Operator.....	2,682.22	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0277 WK 335 HP, D8 Bulldozer With Full-Time Operator.....	11,321.39	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0278 MO 335 HP, D8 Bulldozer With Full-Time Operator.....	37,886.35	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0279 DAY 460 HP, D9 Bulldozer With Full-Time Operator.....	2,986.97	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0280 WK 460 HP, D9 Bulldozer With Full-Time Operator.....	12,533.14	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0281 MO 460 HP, D9 Bulldozer With Full-Time Operator.....	41,514.35	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0282 Motor Scraper <small>(01 22 23 00-0237)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0283 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator.....	1,474.51	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0284 WK 11 CY Motor Scraper-Hauler With Full-Time Operator.....	6,497.80	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0285 MO 11 CY Motor Scraper-Hauler With Full-Time Operator.....	23,410.83	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0286 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator	1,828.01	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0287 WK 18 CY Motor Scraper-Hauler With Full-Time Operator	7,911.79	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0288 MO 18 CY Motor Scraper-Hauler With Full-Time Operator	27,664.80	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0289 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator	2,169.52	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0290 WK 24 CY Motor Scraper-Hauler With Full-Time Operator	9,271.86	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0291 MO 24 CY Motor Scraper-Hauler With Full-Time Operator	31,739.02	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0292 Hydraulic Excavators (01 22 23 00-0237)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0293 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator	843.21	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0294 WK 3/8 CY Hydraulic Excavator With Full-Time Operator	3,957.37	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0295 MO 3/8 CY Hydraulic Excavator With Full-Time Operator	15,796.46	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0296 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator	929.43	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0297 WK 1/2 CY Hydraulic Excavator With Full-Time Operator	4,287.05	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0298 MO 1/2 CY Hydraulic Excavator With Full-Time Operator	16,400.03	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0299 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator	1,020.73	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0300 WK 5/8 CY Hydraulic Excavator With Full-Time Operator	4,672.52	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0301 MO 5/8 CY Hydraulic Excavator With Full-Time Operator	17,946.99	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0302 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator	985.22	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0303 WK 3/4 CY Hydraulic Excavator With Full-Time Operator	4,540.65	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0304 MO 3/4 CY Hydraulic Excavator With Full-Time Operator	17,541.23	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0305 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,020.73	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0306 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	4,672.52	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0307 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	18,200.59	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0308 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,294.61	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0309 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	5,763.00	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0310 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	21,218.43	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0311 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,335.19	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0312 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	5,940.52	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0313 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	21,750.99	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0314 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,411.27	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0315 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	6,244.84	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0316 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	22,663.95	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0317 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,497.49	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0318 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	6,584.66	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0319 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	23,678.35	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0320 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,522.85	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0321 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	6,686.10	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0322 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	23,982.67	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0323 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	1,766.31	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0324 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	7,665.00	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0325 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	26,924.43	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0326 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,116.28	
<i>For Equipment Without Operator, Deduct</i>	-599.75	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0327	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	9,054.73
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0328	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	31,083.47
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0329	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	71.01
01 22 23 00-0330	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	273.89
01 22 23 00-0331	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	811.52
01 22 23 00-0332	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	314.46
01 22 23 00-0333	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	831.81
01 22 23 00-0334	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,328.05
01 22 23 00-0335	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	486.91
01 22 23 00-0336	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,242.64
01 22 23 00-0337	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,230.86
01 22 23 00-0338	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	679.65
01 22 23 00-0339	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,830.99
01 22 23 00-0340	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	5,132.86
01 22 23 00-0341	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	142.02
01 22 23 00-0342	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	568.06
01 22 23 00-0343	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	1,704.19
01 22 23 00-0344	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	202.88
01 22 23 00-0345	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	811.52
01 22 23 00-0346	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	2,434.56
01 22 23 00-0347	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	223.17
01 22 23 00-0348	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	882.53
01 22 23 00-0349	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	2,637.44

01 22 23 00-0350 Mini-Excavators (01 22 23 00-0237)

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

01 22 23 00-0351	DAY	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	812.77
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0352	WK	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	3,602.33
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0353	MO	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	14,254.57
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0354	DAY	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	817.85
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0355	WK	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	3,617.54
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0356	MO	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	14,574.11
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0357	DAY	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	843.21
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0358	WK	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	3,688.55
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0359	MO	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	14,619.76
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0360	DAY	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	853.35
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0361	WK	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	3,724.06
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0362	MO	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	14,640.05
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0363	DAY	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	914.21
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0364	WK	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	3,774.78
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0365	MO	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	15,228.40
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0366	DAY	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	919.29
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0367	WK	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,028.38
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0368	MO	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	15,253.76
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71

01 22 23 00-0369 Gradall, Telescopic Hydraulic Excavators (01 22 23 00-0237)

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

01 22 23 00-0370	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	1,432.57
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0371	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	5,185.66
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0372	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	19,600.24
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71

01 22 23 00-0373 Road Graders (01 22 23 00-0237)

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

01 22 23 00-0374	DAY	60 HP Road Grader With Full-Time Operator	1,095.13
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0375	WK	60 HP Road Grader With Full-Time Operator	4,338.82
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0376 MO 60 HP Road Grader With Full-Time Operator	16,933.18	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0377 DAY 80 HP Road Grader With Full-Time Operator	1,241.20	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0378 WK 80 HP Road Grader With Full-Time Operator	4,745.28	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0379 MO 80 HP Road Grader With Full-Time Operator	18,165.28	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0380 DAY 130 HP Road Grader With Full-Time Operator	1,342.70	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0381 WK 130 HP Road Grader With Full-Time Operator	5,197.64	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0382 MO 130 HP Road Grader With Full-Time Operator	19,516.36	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
 01 22 23 00-0383 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0237)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0384 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,094.85	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0385 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,174.61	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0386 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	15,692.94	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0387 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,147.89	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0388 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,360.27	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0389 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	16,824.59	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0390 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,229.67	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0391 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,563.62	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0392 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	17,408.10	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0393 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,594.36	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0394 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,651.06	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0395 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,520.13	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
 01 22 23 00-0396 Heavy Duty Construction Loaders <small>(01 22 23 00-0237)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0397 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,087.15	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0398 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	4,925.87	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0399 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	18,699.55	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0400 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,492.07	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0401 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,368.29	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0402 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	18,924.51	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0403 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,582.05	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0404 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,608.24	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0405 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	19,524.39	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0406 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,829.50	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0407 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,247.11	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0408 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,174.06	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0409 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,466.88	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0410 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,452.27	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0411 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	35,271.24	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0412 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,665.96	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0413 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	22,697.11	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0414 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	66,609.05	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0415	Shoring <small>(01 22 23 00-0237)</small>		
	Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0416	Aluminum Hydraulic Shoring <small>(01 22 23 00-0415)</small>		
	Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0417	WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	30.17	
	Note: Up to 88" spread width.		
01 22 23 00-0418	MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	88.99	
	Note: Up to 88" spread width.		
01 22 23 00-0419	WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	40.47	
	Note: Up to 88" spread width.		
01 22 23 00-0420	MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	119.38	
	Note: Up to 88" spread width.		
01 22 23 00-0421	WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	75.05	
	Note: Up to 88" spread width.		
01 22 23 00-0422	MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	221.40	
	Note: Up to 88" spread width.		
01 22 23 00-0423	EA Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder.....	20.78	
01 22 23 00-0424	EA Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders.....	33.25	
01 22 23 00-0425	EA Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders.....	55.41	
01 22 23 00-0426	Trench Boxes/Trench Shields <small>(01 22 23 00-0237)</small>		
	Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0427	WK 4' x 6' Trench Box With Up To 48" Spreaders.....	162.38	
01 22 23 00-0428	MO 4' x 6' Trench Box With Up To 48" Spreaders.....	487.13	
01 22 23 00-0429	WK 6' x 6' Trench Box With Up To 48" Spreaders.....	183.33	
01 22 23 00-0430	MO 6' x 6' Trench Box With Up To 48" Spreaders.....	549.99	
01 22 23 00-0431	WK 8' x 6' Trench Box With Up To 48" Spreaders.....	193.81	
01 22 23 00-0432	MO 8' x 6' Trench Box With Up To 48" Spreaders.....	581.42	
01 22 23 00-0433	WK 4' x 8' Trench Box With Up To 48" Spreaders.....	178.09	
01 22 23 00-0434	MO 4' x 8' Trench Box With Up To 48" Spreaders.....	534.28	
01 22 23 00-0435	WK 6' x 8' Trench Box With Up To 48" Spreaders.....	209.52	
01 22 23 00-0436	MO 6' x 8' Trench Box With Up To 48" Spreaders.....	628.56	
01 22 23 00-0437	WK 8' x 8' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0438	MO 8' x 8' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0439	WK 4' x 10' Trench Box With Up To 48" Spreaders.....	199.04	
01 22 23 00-0440	MO 4' x 10' Trench Box With Up To 48" Spreaders.....	597.13	
01 22 23 00-0441	WK 6' x 10' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0442	MO 6' x 10' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0443	WK 8' x 10' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0444	MO 8' x 10' Trench Box With Up To 48" Spreaders.....	859.03	
01 22 23 00-0445	WK 4' x 12' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0446	MO 4' x 12' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0447	WK 6' x 12' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0448	MO 6' x 12' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0449	WK 8' x 12' Trench Box With Up To 48" Spreaders.....	366.66	
01 22 23 00-0450	MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,099.98	
01 22 23 00-0451	WK 4' x 14' Trench Box With Up To 48" Spreaders.....	261.90	
01 22 23 00-0452	MO 4' x 14' Trench Box With Up To 48" Spreaders.....	785.70	
01 22 23 00-0453	WK 6' x 14' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0454	MO 6' x 14' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0455	WK 8' x 14' Trench Box With Up To 48" Spreaders.....	419.04	
01 22 23 00-0456	MO 8' x 14' Trench Box With Up To 48" Spreaders.....	1,257.12	
01 22 23 00-0457	WK 4' x 16' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0458	MO 4' x 16' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0459	WK 6' x 16' Trench Box With Up To 48" Spreaders.....	392.85	
01 22 23 00-0460	MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,178.55	
01 22 23 00-0461	WK 8' x 16' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0462	MO 8' x 16' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0463	WK 4' x 20' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0464	MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0465	WK 6' x 20' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0466	MO 6' x 20' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0467	WK 8' x 20' Trench Box With Up To 48" Spreaders.....	549.99	
01 22 23 00-0468	MO 8' x 20' Trench Box With Up To 48" Spreaders.....	1,649.97	
01 22 23 00-0469	WK 4' x 24' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0470	MO 4' x 24' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0471	WK 6' x 24' Trench Box With Up To 48" Spreaders.....	576.18	
01 22 23 00-0472	MO 6' x 24' Trench Box With Up To 48" Spreaders.....	1,728.54	
01 22 23 00-0473	WK 8' x 24' Trench Box With Up To 48" Spreaders.....	628.56	
01 22 23 00-0474	MO 8' x 24' Trench Box With Up To 48" Spreaders.....	1,885.68	
01 22 23 00-0475	WK For Spreaders >48" To 84", Add.....	15.71	
01 22 23 00-0476	MO For Spreaders >48" To 84", Add.....	47.14	
01 22 23 00-0477	WK For Spreaders >84" To 120", Add.....	94.28	
01 22 23 00-0478	MO For Spreaders >84" To 120", Add.....	282.85	
01 22 23 00-0479	WK For Spreaders >120", Add.....	199.04	
01 22 23 00-0480	MO For Spreaders >120", Add.....	597.13	
01 22 23 00-0481	WK 8' x 4' Manhole Box.....	247.50	
01 22 23 00-0482	MO 8' x 4' Manhole Box.....	742.49	
01 22 23 00-0483	WK 8' x 8' Manhole Box.....	353.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0484 MO 8' x 8' Manhole Box.....	1,060.70	
01 22 23 00-0485 Trenchers <small>(01 22 23 00-0237)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0486 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	951.64	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0487 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,197.38	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0488 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	16,224.66	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0489 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,545.45	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0490 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,198.74	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0491 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	21,722.91	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0492 Heavy Equipment Mats <small>(01 22 23 00-0237)</small>		
Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0493 Day 14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	20.00	
01 22 23 00-0494 WK 14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	47.62	
01 22 23 00-0495 MO 14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	100.00	
01 22 23 00-0496 Day 16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	21.00	
01 22 23 00-0497 WK 16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	50.00	
01 22 23 00-0498 MO 16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	105.00	
01 22 23 00-0499 Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	17.00	
01 22 23 00-0500 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	40.00	
01 22 23 00-0501 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	85.00	
01 22 23 00-0502 Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	19.00	
01 22 23 00-0503 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	45.00	
01 22 23 00-0504 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	95.00	
01 22 23 00-0505 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	21.00	
01 22 23 00-0506 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	50.00	
01 22 23 00-0507 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	105.00	
01 22 23 00-0508 Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.00	
01 22 23 00-0509 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.76	
01 22 23 00-0510 MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.00	
01 22 23 00-0511 Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.00	
01 22 23 00-0512 WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0513 MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	90.00	
01 22 23 00-0514 Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	21.00	
01 22 23 00-0515 WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0516 MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	105.00	
01 22 23 00-0517 Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.00	
01 22 23 00-0518 WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	55.00	
01 22 23 00-0519 MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	125.00	
01 22 23 00-0520 Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	27.00	
01 22 23 00-0521 WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	64.29	
01 22 23 00-0522 MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	135.00	
01 22 23 00-0523 Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	29.00	
01 22 23 00-0524 WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	69.05	
01 22 23 00-0525 MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	145.00	
01 22 23 00-0526 Day 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.00	
01 22 23 00-0527 WK 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.43	
01 22 23 00-0528 MO 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.00	
01 22 23 00-0529 Day 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.62	
01 22 23 00-0530 WK 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.05	
01 22 23 00-0531 MO 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	72.15	
01 22 23 00-0532 Day 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.50	
01 22 23 00-0533 WK 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.75	
01 22 23 00-0534 MO 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.25	
01 22 23 00-0535 Day 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.13	
01 22 23 00-0536 WK 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.83	
01 22 23 00-0537 MO 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.50	
01 22 23 00-0538 Day 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.00	
01 22 23 00-0539 WK 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.00	
01 22 23 00-0540 MO 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.00	
01 22 23 00-0541 Day 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.00	
01 22 23 00-0542 WK 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00	
01 22 23 00-0543 MO 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.00	
01 22 23 00-0544 Day 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.39	
01 22 23 00-0545 WK 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	45.97	
01 22 23 00-0546 MO 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	137.90	
01 22 23 00-0547 Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.15	
01 22 23 00-0548 WK 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.37	
01 22 23 00-0549 MO 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	106.10	
01 22 23 00-0550 Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.15	
01 22 23 00-0551 WK 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.88	
01 22 23 00-0552 MO 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	143.65	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0553	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.56
01 22 23 00-0554	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.40
01 22 23 00-0555	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.20
01 22 23 00-0556	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.62
01 22 23 00-0557	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	69.05
01 22 23 00-0558	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	207.14
01 22 23 00-0559	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.44
01 22 23 00-0560	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.60
01 22 23 00-0561	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	220.80
01 22 23 00-0562		Electrical Equipment <small>(01 22 23)</small>	
01 22 23 00-0563		Tripod Mounted Floodlights <small>(01 22 23 00-0562)</small>	
		Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0564	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	58.52
01 22 23 00-0565	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	138.44
01 22 23 00-0566	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	292.58
01 22 23 00-0567	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	58.52
01 22 23 00-0568	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	171.26
01 22 23 00-0569	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	506.66
01 22 23 00-0570	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.65
01 22 23 00-0571	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	178.40
01 22 23 00-0572	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	435.30
01 22 23 00-0573		Trailer Mounted Floodlights <small>(01 22 23 00-0562)</small>	
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0574	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	164.13
01 22 23 00-0575	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	363.94
01 22 23 00-0576	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	784.96
01 22 23 00-0577		Generator Sets <small>(01 22 23 00-0562)</small>	
01 22 23 00-0578		Portable, Gas Or Diesel Powered Generator Sets <small>(01 22 23 00-0577)</small>	
		Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0661 for reimbursable fuel fees.	
01 22 23 00-0579	DAY	3.6 KW, 8 HP Gas Powered Generator Set	40.43
		For LP Or NG Gas, Add	5.05
01 22 23 00-0580	WK	3.6 KW, 8 HP Gas Powered Generator Set	145.75
		For LP Or NG Gas, Add	18.22
01 22 23 00-0581	MO	3.6 KW, 8 HP Gas Powered Generator Set	404.33
		For LP Or NG Gas, Add	50.54
01 22 23 00-0582	DAY	5 KW, 11 HP Gas Powered Generator Set	57.36
		For LP Or NG Gas, Add	7.17
01 22 23 00-0583	WK	5 KW, 11 HP Gas Powered Generator Set	183.36
		For LP Or NG Gas, Add	22.92
01 22 23 00-0584	MO	5 KW, 11 HP Gas Powered Generator Set	418.43
		For LP Or NG Gas, Add	52.30
01 22 23 00-0585	DAY	6.5 KW, 13 HP Gas Powered Generator Set	73.34
		For LP Or NG Gas, Add	9.17
01 22 23 00-0586	WK	6.5 KW, 13 HP Gas Powered Generator Set	197.46
		For LP Or NG Gas, Add	24.68
01 22 23 00-0587	MO	6.5 KW, 13 HP Gas Powered Generator Set	545.37
		For LP Or NG Gas, Add	68.17
01 22 23 00-0588	DAY	10 KW, 18 HP Gas Powered Generator Set	81.81
		For LP Or NG Gas, Add	10.23
01 22 23 00-0589	WK	10 KW, 18 HP Gas Powered Generator Set	220.97
		For LP Or NG Gas, Add	27.62
01 22 23 00-0590	MO	10 KW, 18 HP Gas Powered Generator Set	634.70
		For LP Or NG Gas, Add	79.34
01 22 23 00-0591		Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0577)</small>	
		Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0661 for reimbursable fuel fees.	
01 22 23 00-0592	DAY	20 KW, 60 Hertz Diesel Powered Generator Set	168.31
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0593	WK	20 KW, 60 Hertz Diesel Powered Generator Set	440.06
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0594	MO	20 KW, 60 Hertz Diesel Powered Generator Set	1,198.88
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0595	DAY	40.0 KW, 60 Hertz Diesel Powered Generator Set	243.63
		Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	
01 22 23 00-0596	WK	40.0 KW, 60 Hertz Diesel Powered Generator Set	548.76
		Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0597	MO	40.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	1,461.80	
01 22 23 00-0598	DAY	70.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	319.04	
01 22 23 00-0599	WK	70.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	715.43	
01 22 23 00-0600	MO	70.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	1,986.77	
01 22 23 00-0601	DAY	100.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	401.22	
01 22 23 00-0602	WK	100.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	884.62	
01 22 23 00-0603	MO	100.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	2,518.51	
01 22 23 00-0604	DAY	120.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	413.31	
01 22 23 00-0605	WK	120.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	952.30	
01 22 23 00-0606	MO	120.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,934.24	
01 22 23 00-0607	DAY	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	425.39	
01 22 23 00-0608	WK	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,015.14	
01 22 23 00-0609	MO	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	3,349.96	
01 22 23 00-0610	DAY	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	466.00	
01 22 23 00-0611	WK	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,059.61	
01 22 23 00-0612	MO	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	3,349.96	
01 22 23 00-0613	DAY	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	580.08	
01 22 23 00-0614	WK	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,484.04	
01 22 23 00-0615	MO	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	3,915.54	
01 22 23 00-0616	DAY	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	657.42	
01 22 23 00-0617	WK	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,595.22	
01 22 23 00-0618	MO	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	4,350.60	
01 22 23 00-0619	DAY	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	928.13	
01 22 23 00-0620	WK	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,088.29	
01 22 23 00-0621	MO	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	5,568.77	
01 22 23 00-0622	DAY	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	990.97	
01 22 23 00-0623	WK	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	2,397.66	
01 22 23 00-0624	MO	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	7,009.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0625 DAY 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,106.02	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0626 WK 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,513.68	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0627 MO 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	7,541.04	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0628 DAY 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,546.88	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0629 WK 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,867.20	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0630 MO 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	11,601.60	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0631 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	695.38	
01 22 23 00-0632 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,100.72	
01 22 23 00-0633 Cabling For Generator Sets (01 22 23 00-0577)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0634 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	21.27	
01 22 23 00-0635 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	37.22	
01 22 23 00-0636 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	111.67	
01 22 23 00-0637 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	10.63	
01 22 23 00-0638 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	30.94	
01 22 23 00-0639 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	86.05	
01 22 23 00-0640 Resistive Loadbanks (01 22 23 00-0577)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0661 for reimbursable fuel fees.		
01 22 23 00-0641 DAY 100 KW A/C Resistive Loadbank.....	368.93	
01 22 23 00-0642 WK 100 KW A/C Resistive Loadbank.....	910.55	
01 22 23 00-0643 MO 100 KW A/C Resistive Loadbank.....	2,723.81	
01 22 23 00-0644 DAY 650 KW A/C Resistive Loadbank.....	621.69	
01 22 23 00-0645 WK 650 KW A/C Resistive Loadbank.....	1,662.55	
01 22 23 00-0646 MO 650 KW A/C Resistive Loadbank.....	4,238.78	
01 22 23 00-0647 Sub-Distribution Panels (Spider Box) (01 22 23 00-0577)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0648 DAY Sub-Distribution Panel (Spider Box).....	52.21	
01 22 23 00-0649 WK Sub-Distribution Panel (Spider Box).....	135.35	
01 22 23 00-0650 MO Sub-Distribution Panel (Spider Box).....	381.89	
01 22 23 00-0651 Portable Distribution Panels (01 22 23 00-0577)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0652 DAY 200 Amp Spider Box Feeder Panel.....	116.02	
01 22 23 00-0653 WK 200 Amp Spider Box Feeder Panel.....	314.21	
01 22 23 00-0654 MO 200 Amp Spider Box Feeder Panel.....	879.79	
01 22 23 00-0655 DAY 100 Amp Quad Box Panel.....	94.75	
01 22 23 00-0656 WK 100 Amp Quad Box Panel.....	246.53	
01 22 23 00-0657 MO 100 Amp Quad Box Panel.....	700.93	
01 22 23 00-0658 DAY 200 Amp Quad Box Panel.....	120.85	
01 22 23 00-0659 WK 200 Amp Quad Box Panel.....	304.54	
01 22 23 00-0660 MO 200 Amp Quad Box Panel.....	826.61	
01 22 23 00-0661 Fuel Reimbursement For Generators (01 22 23 00-0577)		
01 22 23 00-0662 EA Fuel Reimbursement For Generators.....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0663 General Equipment (01 22 23)		
01 22 23 00-0664 Jacks And Bracing (01 22 23 00-0663)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0665 Manual Hydraulic Jacks (01 22 23 00-0664)		
01 22 23 00-0666 DAY 12 Ton Manual Hydraulic Bottle Jack.....	14.19	
01 22 23 00-0667 WK 12 Ton Manual Hydraulic Bottle Jack.....	36.90	
01 22 23 00-0668 MO 12 Ton Manual Hydraulic Bottle Jack.....	65.28	
01 22 23 00-0669 DAY 20 Ton Manual Hydraulic Bottle Jack.....	28.38	
01 22 23 00-0670 WK 20 Ton Manual Hydraulic Bottle Jack.....	79.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0671 MO 20 Ton Manual Hydraulic Bottle Jack	156.11	
01 22 23 00-0672 DAY 50 Ton Manual Hydraulic Bottle Jack	44.00	
01 22 23 00-0673 WK 50 Ton Manual Hydraulic Bottle Jack	109.28	
01 22 23 00-0674 MO 50 Ton Manual Hydraulic Bottle Jack	184.50	
01 22 23 00-0675 DAY 100 Ton Manual Hydraulic Bottle Jack	116.37	
01 22 23 00-0676 WK 100 Ton Manual Hydraulic Bottle Jack	279.58	
01 22 23 00-0677 MO 100 Ton Manual Hydraulic Bottle Jack	465.50	
01 22 23 00-0678 Manual Screw Jacks (01 22 23 00-0664)		
01 22 23 00-0679 DAY 10 To 20 Ton Manual Screw Jack	13.24	
01 22 23 00-0680 WK 10 To 20 Ton Manual Screw Jack	35.64	
01 22 23 00-0681 MO 10 To 20 Ton Manual Screw Jack	98.77	
01 22 23 00-0682 Pressure Washers (01 22 23 00-0663)		
Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0683 DAY 2,000 PSI Pressure Washer With Full-Time Operator	662.79	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0684 WK 2,000 PSI Pressure Washer With Full-Time Operator	2,985.52	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0685 MO 2,000 PSI Pressure Washer With Full-Time Operator	12,270.90	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0686 DAY 2,500 PSI Pressure Washer With Full-Time Operator	662.79	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0687 WK 2,500 PSI Pressure Washer With Full-Time Operator	2,985.52	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0688 MO 2,500 PSI Pressure Washer With Full-Time Operator	12,270.90	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0689 DAY 3,000 PSI Pressure Washer With Full-Time Operator	662.79	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0690 WK 3,000 PSI Pressure Washer With Full-Time Operator	2,985.52	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0691 MO 3,000 PSI Pressure Washer With Full-Time Operator	12,270.90	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0692 DAY 3,500 PSI Pressure Washer With Full-Time Operator	673.05	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0693 WK 3,500 PSI Pressure Washer With Full-Time Operator	3,016.31	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0694 MO 3,500 PSI Pressure Washer With Full-Time Operator	12,353.01	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0695 DAY 4,000 PSI Pressure Washer With Full-Time Operator	734.63	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0696 WK 4,000 PSI Pressure Washer With Full-Time Operator	3,201.04	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0697 MO 4,000 PSI Pressure Washer With Full-Time Operator	12,968.79	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0698 DAY 5,000 PSI Pressure Washer With Full-Time Operator	734.63	
For Equipment Without Operator, Deduct	-529.37	
01 22 23 00-0699 WK 5,000 PSI Pressure Washer With Full-Time Operator	3,201.04	
For Equipment Without Operator, Deduct	-2,646.84	
01 22 23 00-0700 MO 5,000 PSI Pressure Washer With Full-Time Operator	12,968.79	
For Equipment Without Operator, Deduct	-11,408.81	
01 22 23 00-0701 Confined Space Entry Equipment (01 22 23 00-0663)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0702 DAY Ventilation Equipment For Confined Space	47.47	
01 22 23 00-0703 WK Ventilation Equipment For Confined Space	142.42	
01 22 23 00-0704 MO Ventilation Equipment For Confined Space	424.99	
01 22 23 00-0705 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	30.97	
01 22 23 00-0706 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	92.90	
01 22 23 00-0707 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	278.69	
01 22 23 00-0708 DAY Confined Space Air Monitor Personnel	562.88	
Note: Per person day.		
01 22 23 00-0709 Material Handling Equipment (01 22 23)		
01 22 23 00-0710 Truck Mounted Hydraulic Cranes (01 22 23 00-0709)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0711 DAY 6 Ton Lift Hydraulic Crane With Full-Time Operator	1,000.13	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0712 WK 6 Ton Lift Hydraulic Crane With Full-Time Operator	4,211.69	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0713 MO 6 Ton Lift Hydraulic Crane With Full-Time Operator	16,576.27	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0714 DAY 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	1,106.12	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0715 WK 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	4,526.70	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0716 MO 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	17,518.35	
For Equipment Without Operator, Deduct	-12,925.71	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0717 DAY 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,212.10 -599.75	
01 22 23 00-0718 WK 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,841.70 -2,998.76	
01 22 23 00-0719 MO 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,460.43 -12,925.71	
01 22 23 00-0720 DAY 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,353.41 -599.75	
01 22 23 00-0721 WK 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,265.64 -2,998.76	
01 22 23 00-0722 MO 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,726.35 -12,925.71	
01 22 23 00-0723 DAY 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,482.95 -599.75	
01 22 23 00-0724 WK 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,142.95 -2,998.76	
01 22 23 00-0725 MO 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,355.93 -12,925.71	
01 22 23 00-0726 DAY 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,789.13 -599.75	
01 22 23 00-0727 WK 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,238.12 -2,998.76	
01 22 23 00-0728 MO 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,643.79 -12,925.71	
01 22 23 00-0729 DAY 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,983.43 -599.75	
01 22 23 00-0730 WK 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,921.13 -2,998.76	
01 22 23 00-0731 MO 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	27,697.52 -12,925.71	
01 22 23 00-0732 DAY 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,136.52 -599.75	
01 22 23 00-0733 WK 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,474.60 -2,998.76	
01 22 23 00-0734 MO 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,355.59 -12,925.71	
01 22 23 00-0735 DAY 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,289.61 -599.75	
01 22 23 00-0736 WK 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,028.07 -2,998.76	
01 22 23 00-0737 MO 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,013.65 -12,925.71	
01 22 23 00-0738 DAY 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,389.70 -599.75	
01 22 23 00-0739 WK 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,369.58 -2,998.76	
01 22 23 00-0740 MO 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,049.93 -12,925.71	
01 22 23 00-0741 DAY 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,525.13 -599.75	
01 22 23 00-0742 WK 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,875.94 -2,998.76	
01 22 23 00-0743 MO 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,557.26 -12,925.71	
01 22 23 00-0744 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted <small>(01 22 23 00-0709)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0745 DAY 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,012.87 -599.75	
01 22 23 00-0746 WK 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,038.89 -2,998.76	
01 22 23 00-0747 MO 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,046.09 -12,925.71	
01 22 23 00-0748 DAY 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,102.15 -599.75	
01 22 23 00-0749 WK 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,852.39 -2,998.76	
01 22 23 00-0750 MO 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,486.61 -12,925.71	
01 22 23 00-0751 DAY 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,278.79 -599.75	
01 22 23 00-0752 WK 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,141.86 -2,998.76	
01 22 23 00-0753 MO 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,353.84 -12,925.71	
01 22 23 00-0754 DAY 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,632.07 -599.75	
01 22 23 00-0755 WK 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,431.34 -2,998.76	
01 22 23 00-0756 MO 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	41,216.37 -12,925.71	
01 22 23 00-0757 DAY 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,967.69 -599.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0758 WK 250 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	15,010.28 -2,998.76	
01 22 23 00-0759 MO 250 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	48,960.27 -12,925.71	
01 22 23 00-0760 DAY 300 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,521.16 -599.75	
01 22 23 00-0761 WK 300 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,994.54 -2,998.76	
01 22 23 00-0762 MO 300 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	54,904.79 -12,925.71	
01 22 23 00-0763 DAY 500 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,924.42 -599.75	
01 22 23 00-0764 WK 500 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,123.82 -2,998.76	
01 22 23 00-0765 MO 500 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	91,306.77 -12,925.71	
01 22 23 00-0766 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0769)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0767 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	996.65 -562.88	
01 22 23 00-0768 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,876.01 -2,814.41	
01 22 23 00-0769 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,414.07 -12,131.07	
01 22 23 00-0770 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,042.31 -562.88	
01 22 23 00-0771 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,978.74 -2,814.41	
01 22 23 00-0772 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,642.37 -12,131.07	
01 22 23 00-0773 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,030.90 -562.88	
01 22 23 00-0774 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,030.11 -2,814.41	
01 22 23 00-0775 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,984.82 -12,131.07	
01 22 23 00-0776 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,162.17 -562.88	
01 22 23 00-0777 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,372.56 -2,814.41	
01 22 23 00-0778 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	15,783.87 -12,131.07	
01 22 23 00-0779 Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0769)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0780 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	844.83 -562.88 56.39	
01 22 23 00-0781 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,584.35 -2,814.41 153.99	
01 22 23 00-0782 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	13,893.26 -12,131.07 352.44	
01 22 23 00-0783 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	859.67 -562.88 59.36	
01 22 23 00-0784 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,624.87 -2,814.41 162.09	
01 22 23 00-0785 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	13,986.01 -12,131.07 370.99	
01 22 23 00-0786 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	939.58 -562.88 75.34	
01 22 23 00-0787 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,847.47 -2,814.41 206.61	
01 22 23 00-0788 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,499.68 -12,131.07 473.72	
01 22 23 00-0789 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	983.58 -562.88 84.14	
01 22 23 00-0790 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,828.40 -2,814.41 202.80	
01 22 23 00-0791 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,655.27 -12,131.07 504.84	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0792	Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0709)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0793	DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	802.60
	For Equipment Without Operator, Deduct	-562.88
	For Propane Instead Of Gas Or Diesel, Add	47.94
01 22 23 00-0794	WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,362.33
	For Equipment Without Operator, Deduct	-2,814.41
	For Propane Instead Of Gas Or Diesel, Add	109.58
01 22 23 00-0795	MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,443.79
	For Equipment Without Operator, Deduct	-12,131.07
	For Propane Instead Of Gas Or Diesel, Add	262.54
01 22 23 00-0796	DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	808.30
	For Equipment Without Operator, Deduct	-562.88
	For Propane Instead Of Gas Or Diesel, Add	49.08
01 22 23 00-0797	WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,379.45
	For Equipment Without Operator, Deduct	-2,814.41
	For Propane Instead Of Gas Or Diesel, Add	113.01
01 22 23 00-0798	MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,483.75
	For Equipment Without Operator, Deduct	-12,131.07
	For Propane Instead Of Gas Or Diesel, Add	270.54
01 22 23 00-0799	DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	928.16
	For Equipment Without Operator, Deduct	-562.88
	For Propane Instead Of Gas Or Diesel, Add	73.06
01 22 23 00-0800	WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,642.00
	For Equipment Without Operator, Deduct	-2,814.41
	For Propane Instead Of Gas Or Diesel, Add	165.52
01 22 23 00-0801	MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,128.69
	For Equipment Without Operator, Deduct	-12,131.07
	For Propane Instead Of Gas Or Diesel, Add	399.52
01 22 23 00-0802	DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	939.58
	For Equipment Without Operator, Deduct	-562.88
	For Propane Instead Of Gas Or Diesel, Add	75.34
01 22 23 00-0803	WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,739.03
	For Equipment Without Operator, Deduct	-2,814.41
	For Propane Instead Of Gas Or Diesel, Add	184.92
01 22 23 00-0804	MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,471.15
	For Equipment Without Operator, Deduct	-12,131.07
	For Propane Instead Of Gas Or Diesel, Add	468.02
01 22 23 00-0805	DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,042.31
	For Equipment Without Operator, Deduct	-562.88
	For Propane Instead Of Gas Or Diesel, Add	95.89
01 22 23 00-0806	WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,904.54
	For Equipment Without Operator, Deduct	-2,814.41
	For Propane Instead Of Gas Or Diesel, Add	218.03
01 22 23 00-0807	MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,756.52
	For Equipment Without Operator, Deduct	-12,131.07
	For Propane Instead Of Gas Or Diesel, Add	525.09
01 22 23 00-0808	Chain Hoists <small>(01 22 23 00-0709)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0809	DAY 1 Ton, 20' Lift, Manual Chain Hoist	14.19
01 22 23 00-0810	WK 1 Ton, 20' Lift, Manual Chain Hoist	38.32
01 22 23 00-0811	MO 1 Ton, 20' Lift, Manual Chain Hoist	96.51
01 22 23 00-0812	DAY 3 Ton, 20' Lift, Manual Chain Hoist	31.22
01 22 23 00-0813	WK 3 Ton, 20' Lift, Manual Chain Hoist	75.22
01 22 23 00-0814	MO 3 Ton, 20' Lift, Manual Chain Hoist	187.33
01 22 23 00-0815	DAY 5 Ton, 20' Lift, Manual Chain Hoist	45.41
01 22 23 00-0816	WK 5 Ton, 20' Lift, Manual Chain Hoist	109.28
01 22 23 00-0817	MO 5 Ton, 20' Lift, Manual Chain Hoist	272.49
01 22 23 00-0818	DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.83
01 22 23 00-0819	WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	218.56
01 22 23 00-0820	MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	544.97
01 22 23 00-0821	DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	102.18
01 22 23 00-0822	WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	246.94
01 22 23 00-0823	MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	613.09
01 22 23 00-0824	DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	127.73
01 22 23 00-0825	WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	307.97
01 22 23 00-0826	MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	766.37
01 22 23 00-0827	Pumping Equipment <small>(01 22 23)</small>	
01 22 23 00-0828	Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-0827)</small>	
	Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0852 for larger diameter pumps.	
01 22 23 00-0829	DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	80.09
01 22 23 00-0830	WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	180.21
01 22 23 00-0831	MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	480.55
01 22 23 00-0832	DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	96.11
01 22 23 00-0833	WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	216.25
01 22 23 00-0834	MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	576.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0835 Gas Powered Portable Diaphragm Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0836 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	92.11	
01 22 23 00-0837 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	260.30	
01 22 23 00-0838 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	660.76	
01 22 23 00-0839 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	112.13	
01 22 23 00-0840 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	300.34	
01 22 23 00-0841 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	850.98	
01 22 23 00-0842 Gas Powered Portable Trash Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0843 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	116.13	
01 22 23 00-0844 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	240.28	
01 22 23 00-0845 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	720.83	
01 22 23 00-0846 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	116.13	
01 22 23 00-0847 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	310.36	
01 22 23 00-0848 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	860.98	
01 22 23 00-0849 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	184.21	
01 22 23 00-0850 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	520.60	
01 22 23 00-0851 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,511.74	
01 22 23 00-0852 Diesel Powered Portable Trash Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0853 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	360.41	
01 22 23 00-0854 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	981.13	
01 22 23 00-0855 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,274.91	
01 22 23 00-0856 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	550.63	
01 22 23 00-0857 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,441.66	
01 22 23 00-0858 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,834.40	
01 22 23 00-0859 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	748.86	
01 22 23 00-0860 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,004.30	
01 22 23 00-0861 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,362.16	
01 22 23 00-0862 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	969.11	
01 22 23 00-0863 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,474.84	
01 22 23 00-0864 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,268.35	
01 22 23 00-0865 Diesel Powered Portable Silenced Environmental Trash Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0866 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	514.59	
01 22 23 00-0867 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,171.35	
01 22 23 00-0868 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,652.20	
01 22 23 00-0869 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	630.72	
01 22 23 00-0870 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,571.81	
01 22 23 00-0871 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,274.91	
01 22 23 00-0872 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	760.87	
01 22 23 00-0873 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,250.59	
01 22 23 00-0874 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,277.21	
01 22 23 00-0875 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,145.32	
01 22 23 00-0876 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,925.36	
01 22 23 00-0877 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,589.87	
01 22 23 00-0878 3 Phase Electric Submersible Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0879 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	200.23	
01 22 23 00-0880 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	500.58	
01 22 23 00-0881 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,501.72	
01 22 23 00-0882 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	264.30	
01 22 23 00-0883 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	660.76	
01 22 23 00-0884 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,982.28	
01 22 23 00-0885 Hydraulic Submersible Pumps <small>(01 22 23 00-0827)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0886 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	132.15	
01 22 23 00-0887 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	354.41	
01 22 23 00-0888 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	991.14	
01 22 23 00-0889 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	168.19	
01 22 23 00-0890 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	432.50	
01 22 23 00-0891 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,321.52	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0892	Suction Hose With Couplings (01 22 23 00-0827)	
	Note: Includes delivery, set-up, and removal.	
01 22 23 00-0893	DAY 1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	13.82
01 22 23 00-0894	WK 1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	34.54
01 22 23 00-0895	MO 1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	85.20
01 22 23 00-0896	DAY 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.12
01 22 23 00-0897	WK 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	36.84
01 22 23 00-0898	MO 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	89.80
01 22 23 00-0899	DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	34.54
01 22 23 00-0900	WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.99
01 22 23 00-0901	MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	204.94
01 22 23 00-0902	DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	43.75
01 22 23 00-0903	WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	99.01
01 22 23 00-0904	MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	264.80
01 22 23 00-0905	DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	57.57
01 22 23 00-0906	WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	133.55
01 22 23 00-0907	MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	301.65

01 22 23 00-0908	Discharge Hose With Couplings (01 22 23 00-0827)	
	Note: Includes delivery, set-up, and removal.	
01 22 23 00-0909	DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.02
01 22 23 00-0910	WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.05
01 22 23 00-0911	MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.10
01 22 23 00-0912	DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.04
01 22 23 00-0913	WK 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.05
01 22 23 00-0914	MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	96.11
01 22 23 00-0915	DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.04
01 22 23 00-0916	WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	64.07
01 22 23 00-0917	MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	126.14
01 22 23 00-0918	DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	44.05
01 22 23 00-0919	WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	116.13
01 22 23 00-0920	MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	234.27
01 22 23 00-0921	DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	88.10
01 22 23 00-0922	WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	180.21
01 22 23 00-0923	MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	380.44

01 22 23 00-0924 **Truck And Trailer Equipment** (01 22 23)

01 22 23 00-0925 **Trucks** (01 22 23 00-0924)

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

01 22 23 00-0926 **Flat Bed Trucks** (01 22 23 00-0925)

Note: Includes hydraulic tilt bed.

01 22 23 00-0927	DAY 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,029.16
	<i>For Equipment Without Operator, Deduct</i>	-500.74
01 22 23 00-0928	WK 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,889.03
	<i>For Equipment Without Operator, Deduct</i>	-2,503.72
01 22 23 00-0929	MO 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,290.88
	<i>For Equipment Without Operator, Deduct</i>	-10,791.91
01 22 23 00-0930	DAY 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,257.66
	<i>For Equipment Without Operator, Deduct</i>	-500.74
01 22 23 00-0931	WK 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,474.57
	<i>For Equipment Without Operator, Deduct</i>	-2,503.72
01 22 23 00-0932	MO 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,790.43
	<i>For Equipment Without Operator, Deduct</i>	-10,791.91

01 22 23 00-0933 **Light Duty Trucks** (01 22 23 00-0925)

01 22 23 00-0934	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	671.19
	<i>For Equipment Without Operator, Deduct</i>	-500.74
01 22 23 00-0935	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	3,063.00
	<i>For Equipment Without Operator, Deduct</i>	-2,503.72
01 22 23 00-0936	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	11,963.74
	<i>For Equipment Without Operator, Deduct</i>	-10,791.91
01 22 23 00-0937	DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	703.15
	<i>For Equipment Without Operator, Deduct</i>	-500.74
01 22 23 00-0938	WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	3,158.88
	<i>For Equipment Without Operator, Deduct</i>	-2,503.72
01 22 23 00-0939	MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	12,176.80
	<i>For Equipment Without Operator, Deduct</i>	-10,791.91

01 22 23 00-0940 **Boom Trucks** (01 22 23 00-0925)

01 22 23 00-0941	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	1,484.74
	<i>For Equipment Without Operator, Deduct</i>	-500.74
01 22 23 00-0942	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,065.82
	<i>For Equipment Without Operator, Deduct</i>	-2,503.72
01 22 23 00-0943	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	17,289.99
	<i>For Equipment Without Operator, Deduct</i>	-10,791.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0944 Rear Dump Trucks <small>(01 22 23 00-0925)</small>		
01 22 23 00-0945 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	895.31	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0946 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	3,590.81	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0947 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	13,610.29	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0948 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	951.68	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0949 WK 6 CY Rear Dump Truck With Full-Time Truck Driver	3,711.60	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0950 MO 6 CY Rear Dump Truck With Full-Time Truck Driver	13,690.81	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0951 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver	1,620.04	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0952 WK 13 CY Rear Dump Truck With Full-Time Truck Driver	5,088.57	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0953 MO 13 CY Rear Dump Truck With Full-Time Truck Driver	17,556.01	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0954 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver	1,731.97	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0955 WK 18 CY Rear Dump Truck With Full-Time Truck Driver	5,347.06	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0956 MO 18 CY Rear Dump Truck With Full-Time Truck Driver	18,232.42	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0957 Under-Bridge Inspection Trucks <small>(01 22 23 00-0925)</small>		
01 22 23 00-0958 DAY 45' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,550.74	
01 22 23 00-0959 WK 45' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	6,503.72	
01 22 23 00-0960 DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,750.74	
01 22 23 00-0961 WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,303.72	
01 22 23 00-0962 DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,850.74	
01 22 23 00-0963 WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,703.72	
01 22 23 00-0964 Vacuum Trucks <small>(01 22 23 00-0925)</small>		
01 22 23 00-0965 DAY 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	805.72	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0966 WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	3,412.68	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0967 MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	13,476.93	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0968 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,611.98	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0969 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,850.34	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0970 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,667.50	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0971 Water Trucks <small>(01 22 23 00-0925)</small>		
See CSI section 01 22 23 00-0990 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-0972 DAY 2,000 Gallon Water Truck With Full-Time Operator	1,038.94	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0973 WK 2,000 Gallon Water Truck With Full-Time Operator	3,920.98	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0974 MO 2,000 Gallon Water Truck With Full-Time Operator	14,140.71	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0975 DAY 2,500 To 3,000 Gal Water Truck With Full-Time Operator	1,134.62	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0976 WK 2,500 To 3,000 Gal Water Truck With Full-Time Operator	4,584.76	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0977 MO 2,500 To 3,000 Gal Water Truck With Full-Time Operator	15,976.57	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0978 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	1,302.06	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0979 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	4,710.34	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-0980 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	16,173.91	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0981 Asphalt Distribution Trucks <small>(01 22 23 00-0925)</small>		
01 22 23 00-0982 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	2,948.59	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0983 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	9,815.85	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0984 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	32,408.39	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-0985 Attenuator Trucks <small>(01 22 23 00-0925)</small>		
01 22 23 00-0986 DAY Attenuator (Crash Cushion) Truck, With Full Time Operator	949.76	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
<i>For Each Mile, Add</i>	0.47	
01 22 23 00-0987 WK Attenuator (Crash Cushion) Truck, With Full Time Operator	4,299.81	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
<i>For Each Mile, Add</i>	0.47	
01 22 23 00-0988 MO Attenuator (Crash Cushion) Truck, With Full Time Operator	16,180.17	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
<i>For Each Mile, Add</i>	0.47	
01 22 23 00-0989 Trailers <small>(01 22 23 00-0924)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0990 Water Trailers With Pump <small>(01 22 23 00-0989)</small>		
01 22 23 00-0991 DAY 500 To 600 Gallon Water Trailer With Pump	137.54	
01 22 23 00-0992 WK 500 To 600 Gallon Water Trailer With Pump	352.82	
01 22 23 00-0993 MO 500 To 600 Gallon Water Trailer With Pump	944.84	

01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

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

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002 EA 3-1/2" x 5" Color Print Photograph.....	1.53
01 32 33 00-0003 EA 4" x 6" Color Print Photograph	2.04
01 32 33 00-0004 EA 5" x 7" Color Print Photograph	4.13
01 32 33 00-0005 EA 8" x 10" Color Print Photograph	6.89

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

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

01 32 33 00-0007 EA Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	1,204.74
<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
<i>For Each Mile Outside The City Area, Add</i>	3.00
<i>For Color Prints Instead Of Black And White, Add</i>	361.42
01 32 33 00-0008 EA 5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,342.64
<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
<i>For Each Mile Outside The City Area, Add</i>	3.00
01 32 33 00-0009 HR Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	907.19

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

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

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

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

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	165.71
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	235.20
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	267.28
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	213.82
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test.....	320.73
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	641.23
01 45 23 00-0009 EA Moisture Content, Field Soils Test	24.05
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test	84.24
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	160.31
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test	200.39
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test	64.12
01 45 23 00-0014 EA Percolation Test, Field Soils Test.....	160.31
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	320.62



General Requirements	01	10
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0016	Soil Borings Laboratory Tests <small>(01 45 23 00-0001)</small>	
	See CSI section 02 32 13 00-0000 for soil borings.	
01 45 23 00-0017 EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	73.59
01 45 23 00-0018 EA	Shrinkage Limit, Soil Borings Laboratory Test.....	23.48
01 45 23 00-0019 EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	56.60
01 45 23 00-0020 EA	Consolidation, Soil Borings Laboratory Test.....	396.24
01 45 23 00-0021 EA	Swell Test, Soil Borings Laboratory Test.....	78.27
01 45 23 00-0022 EA	In Place Density, Soil Borings Laboratory Test.....	16.98
01 45 23 00-0023 EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	10.55
01 45 23 00-0024 EA	Hydrometer Analysis, Soil Borings Laboratory Test.....	136.20
01 45 23 00-0025 EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	47.50
01 45 23 00-0026 EA	Partial Sieve Analysis, Soil Borings Laboratory Test.....	9.39
01 45 23 00-0027 EA	Laboratory Permeability, Soil Borings Laboratory Test.....	469.67
01 45 23 00-0028 EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	95.00
01 45 23 00-0029 EA	Sulfate Soundness, Soil Borings Laboratory Test.....	117.42
01 45 23 00-0030 EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	273.78
01 45 23 00-0031 EA	California Bearing Ratio, ASTM D1883.....	240.55
01 45 23 00-0032 EA	Compaction Test Subgrade, Soil Borings Laboratory Test.....	70.45
01 45 23 00-0033 EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	59.61
01 45 23 00-0034 EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	231.66
01 45 23 00-0035 EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	36.01
01 45 23 00-0036	Aggregate Testing <small>(01 45 23 00-0001)</small>	
01 45 23 00-0037 EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	53.46
01 45 23 00-0038 EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	96.22
01 45 23 00-0039 EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	133.64
01 45 23 00-0040 EA	Sieve Analysis, Pit Run, ASTM C136.....	104.20
	Note: Includes wash.	
01 45 23 00-0041 EA	Specific Special Gravity, Course, ASTM C127.....	84.91
	Note: Includes absorption test.	
01 45 23 00-0042 EA	Special Gravity, Fine, ASTM C127.....	76.15
	Note: Includes absorption test.	
01 45 23 00-0043 EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	113.21
01 45 23 00-0044 EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	106.91
01 45 23 00-0045 EA	Aggregate Cleanness Value, ASTM C-128, CA 227.....	106.91
01 45 23 00-0046 EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	80.18
01 45 23 00-0047 EA	Fine Aggregate Durability Index, CA 229.....	85.53
01 45 23 00-0048 EA	Sodium And Magnesium Soundness, ASTM C88.....	224.43
01 45 23 00-0049 EA	Los Angeles Rattler, ASTM C-131, CA 211.....	171.06
01 45 23 00-0050 EA	Los Angeles Rattler, ASTM C-535.....	171.06
01 45 23 00-0051 EA	Unit Weight Of Aggregates, ASTM C29.....	48.11
01 45 23 00-0052 EA	Organic Impurities In Sand, ASTM C40.....	48.09
01 45 23 00-0053 EA	Crushed Particle, ASTM California Test Method.....	48.09
01 45 23 00-0054 EA	Clay Lump And Friable Particles, ASTM C142.....	96.19
01 45 23 00-0055	Permeability Tests <small>(01 45 23 00-0001)</small>	
01 45 23 00-0056	In-Place Tests <small>(01 45 23 00-0055)</small>	
01 45 23 00-0057 EA	Double Ring Infiltrometer Test, ASTM D3385.....	849.08
01 45 23 00-0058 EA	Unconfined Compressive Strength (Pocket Penetrometer) Test.....	40.08
01 45 23 00-0059	Lab Tests <small>(01 45 23 00-0055)</small>	
01 45 23 00-0060 EA	Falling Head Rigid Wall Consolidometer Technique CAE.....	396.24
01 45 23 00-0061 EA	Falling Head Permeability Test EPA-9100.....	396.24
01 45 23 00-0062 EA	Constant Head Permeability Test For Granular Soils, ASTM D2432.....	226.42
01 45 23 00-0063	Concrete/Cement/Asphalt Testing <small>(01 45 23)</small>	
01 45 23 00-0064	Concrete Testing <small>(01 45 23 00-0063)</small>	
01 45 23 00-0065 EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	16.43
01 45 23 00-0066 EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	33.96
01 45 23 00-0067 EA	Concrete Cores Compression Test, ASTM C-42.....	69.49
01 45 23 00-0068 EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	101.56
01 45 23 00-0069 EA	Unit Weight Of Concrete Cylinder, ASTM C-567.....	37.42
01 45 23 00-0070 EA	Concrete Mix Design Review.....	203.13
01 45 23 00-0071 EA	Trial Concrete Batch Prepared In Laboratory.....	481.10
01 45 23 00-0072 EA	Concrete Shrinkage, ASTM C-157 Modified.....	374.18
01 45 23 00-0073 EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	57.73
01 45 23 00-0074 EA	Concrete Slump Test, ASTM C143.....	26.73
01 45 23 00-0075 EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	26.73
01 45 23 00-0076	Cement Testing <small>(01 45 23 00-0063)</small>	
01 45 23 00-0077 EA	Cement Grab Sample (CCR Title 24).....	26.73
	Note: Includes sealing and storing 1 year.	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	42.76	
01 45 23 00-0079 Asphaltic Concrete Testing <small>(01 45 23 00-0063)</small>		
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366	53.46	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	138.98	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559	53.46	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559	138.98	
01 45 23 00-0084 EA Swell Test, CA 305	64.15	
Note: Includes compaction.		
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B	160.36	
01 45 23 00-0086 EA Gradation On Extracted Sample, ASTM D-5444	106.91	
01 45 23 00-0087 EA Maximum Theoretical Unit Weight, ASTM C2041	101.89	
01 45 23 00-0088 EA Unit Weight Sample Requiring Compaction, California Test Method 308	21.38	
01 45 23 00-0089 EA Asphalt Unit Weight On Core Test, CA 308C	21.38	
01 45 23 00-0090 HR Nuclear Field Density Testing, 4 Hour Minimum	110.12	
01 45 23 00-0091 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	72.14	
01 45 23 00-0092 EA Penetration, ASTM D5	77.22	
01 45 23 00-0093 Masonry/Concrete Block/Tile Testing <small>(01 45 23)</small>		
01 45 23 00-0094 Masonry Testing <small>(01 45 23 00-0093)</small>		
01 45 23 00-0095 EA 2" x 4" Cylinder Mortar Compression Test	35.28	
01 45 23 00-0096 EA 4" x 4" x 8" Grout Prisms Compression Test	35.28	
01 45 23 00-0097 EA Masonry Cores Compression Test	69.49	
01 45 23 00-0098 EA Composite Grouted Prism Compression Test	133.64	
01 45 23 00-0099 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) <small>(01 45 23 00-0093)</small>		
01 45 23 00-0100 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	85.53	
01 45 23 00-0101 EA Absorption Test, Moisture Content And Unit Weight	58.80	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit	224.43	
01 45 23 00-0103 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	112.22	
01 45 23 00-0104 Metals Testing <small>(01 45 23)</small>		
01 45 23 00-0105 Tank Tightness Testing <small>(01 45 23 00-0104)</small>		
01 45 23 00-0106 GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	5.69	
01 45 23 00-0107 GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	4.88	
01 45 23 00-0108 EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing	1,464.26	
01 45 23 00-0109 EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	1,789.08	
01 45 23 00-0110 EA >29,999 Gallons, Tank Volumetric Tightness Testing	2,278.46	
01 45 23 00-0111 Tank Line Tightness Testing <small>(01 45 23 00-0104)</small>		
01 45 23 00-0112 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	308.96	
01 45 23 00-0113 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	343.07	
01 45 23 00-0114 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing	377.06	
01 45 23 00-0115 Other Testing <small>(01 45 23)</small>		
01 45 23 00-0116 Special Testing <small>(01 45 23 00-0115)</small>		
01 45 23 00-0117 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight	82.87	
01 45 23 00-0118 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	497.20	
01 45 23 00-0119 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.00	
01 45 23 00-0120 EA Testing And Certification Of Backflow Valves	361.37	
01 45 23 00-0121 EA Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	103.63	
01 45 23 00-0122 EA Testing For The Presence Of PCBs In Soil, Analysis Per Sample	103.63	
01 45 23 00-0123 EA Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	103.63	
01 45 23 00-0124 EA Testing For The Presence Of PCBs In Air, Analysis Per Sample	569.96	
01 45 23 00-0125 Nondestructive Field Testing Services <small>(01 45 23 00-0115)</small>		
01 45 23 00-0126 Infrared Thermography <small>(01 45 23 00-0125)</small>		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0127 Concrete Block Wall Investigation Using Infrared Thermography <small>(01 45 23 00-0126)</small>		
Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0128 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0129 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
		0.45
01 45 23 00-0130 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
		0.30



General Requirements	01	10
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0131	Other Nondestructive Field Testing Services <small>(01 45 23 00-0125)</small>	
01 45 23 00-0132	HR ASNT Certified Level III Consultant	128.29
01 45 23 00-0133	HR Two Person Concrete And Welding Radiographic Testing Crew	213.82

01 50 Temporary Facilities And Controls (01)

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

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices And Sheds (01 52)

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

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

01 52 13 00-0002	MO 8' x 24' Office, With Toilet	334.69
	<i>For Each Delivery And Removal, Round Trip, Add</i>	380.00
	<i>For Each Set-Up (Block And Level), Add</i>	95.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00
01 52 13 00-0003	MO 8' x 32' Office, With Toilet	384.99
	<i>For Each Delivery And Removal, Round Trip, Add</i>	380.00
	<i>For Each Set-Up (Block And Level), Add</i>	95.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00
01 52 13 00-0004	MO 12' x 45' Office, With Toilet	576.82
	<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00
	<i>For Each Set-Up (Block And Level), Add</i>	155.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00
01 52 13 00-0005	MO 12' x 60' Office, With Toilet	804.86
	<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00
	<i>For Each Set-Up (Block And Level), Add</i>	155.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00
01 52 13 00-0006	MO 24' x 72' Office, With Toilet	1,433.66
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,200.00
	<i>For Each Set-Up (Block And Level), Add</i>	300.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00
01 52 13 00-0007	MO 30' x 30' Office, With Toilet	997.70
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,200.00
	<i>For Each Set-Up (Block And Level), Add</i>	300.00
	<i>For Each Anchoring Into Dirt, Add</i>	60.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00

01 52 13 00-0008 Office Accessories (01 52 13)

Note: Costs includes installation or placement in trailer.

01 52 13 00-0009	MO Desk	27.58
01 52 13 00-0010	MO Desk Chair, Rolling	17.24
01 52 13 00-0011	MO File Cabinet.....	20.68
01 52 13 00-0012	MO Table.....	13.79
01 52 13 00-0013	MO Folding Chair	6.53
01 52 13 00-0014	EA Phone Hook-Up	75.84
01 52 13 00-0015	MO Local Phone Service Per Phone Line	48.26
01 52 13 00-0016	MO Security Monitor System With Monitoring.....	80.00
01 52 13 00-0017	LF Trailer Skirting Around Perimeter Of Trailer.....	24.91
01 52 13 00-0018	LF Trailer Skirting Around Perimeter Of Trailer (Insulated).....	45.28
01 52 13 00-0019	MO Steps	56.60
01 52 13 00-0020	MO Fax Machine	34.47
01 52 13 00-0021	MO Copier	55.16

01 52 13 00-0022 Storage Containers (01 52 13)

01 52 13 00-0023	MO 8' x 8' x 10' Storage Container	88.56
	<i>For Delivery And Pick-up of Container, Add</i>	144.00
	<i>For >12 Months, Deduct</i>	-26.57
01 52 13 00-0024	MO 8' x 8' x 20' Storage Container	92.59
	<i>For Delivery And Pick-up of Container, Add</i>	144.00
	<i>For >12 Months, Deduct</i>	-27.78
01 52 13 00-0025	MO 8' x 8' x 40' Storage Container	109.49
	<i>For Delivery And Pick-up of Container, Add</i>	144.00
	<i>For >12 Months, Deduct</i>	-32.85

01 52 19 Sanitary Facilities (01 52)

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

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

01 52 19 00-0002	WK Portable Toilets, Chemical	31.66
	<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0003	MO		Portable Toilets, Chemical.....	94.99	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0004	WK		ADA Portable Toilets, Chemical.....	37.77	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0005	MO		ADA Portable Toilets, Chemical.....	110.82	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0006	MO		Portable Toilets, Multi Trailer - 16'.....	1,439.25	
			Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0007	WK		Service Trailer Restrooms, 3 Times Per Week.....	1,814.38	
01 52 19 00-0008	WK		Two Station Portable Handwash.....	26.43	
01 52 19 00-0009	MO		Two Station Portable Handwash.....	80.16	

01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding And Platforms (01 54)

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

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

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

01 54 23 00-0007	CCF		Up To 20' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	36.31	
			Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0008	CCF		>20' To 40' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	45.40	
			Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0009	CCF		>40' To 60' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	54.48	
			Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0010	CCF		>60' To 80' Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	59.93	
			Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0011	CCF		>80' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	69.01	
			Note: Includes both erection and dismantling of scaffolding.		

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

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

01 54 23 00-0013	DAY		Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.15	
01 54 23 00-0014	WK		Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	40.69	
01 54 23 00-0015	MO		Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	162.74	
01 54 23 00-0016	DAY		Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.00	
01 54 23 00-0017	WK		Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	68.08	
01 54 23 00-0018	MO		Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	272.36	
01 54 23 00-0019	EA		Rolling Scaffolding Erection And Dismantling - Height Up To 20'.....	83.09	
			Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.		
01 54 23 00-0020	EA		Rolling Scaffolding Erection And Dismantling - Height 21' To 40'.....	103.86	
			Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.		

01 54 26 Temporary Swing Staging (01 54)

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

01 54 26 00-0001 Swing Stage (01 54 26)

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

01 54 26 00-0002	MO		Swing Stage, Electric Operated.....	1,449.70	
01 54 26 00-0003	MO		Swing Stage, Manually Operated, With Ropes, Winch, Support Hooks, Etcetera.....	522.54	
01 54 26 00-0004	EA		Swing Stage Erection And Dismantling.....	386.02	
			Note: Includes both erection and dismantling of swing stage.		
01 54 26 00-0005	EA		Move Swing Stage To Different Roof At Same Site.....	181.50	
01 54 26 00-0006	EA		Move Swing Stage To Different Location At Same Roof.....	83.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 30 Temporary Sidewalk Protection (01 54)		
01 54 30 00-0001 Sidewalk Bridge (01 54 30)		
01 54 30 00-0002 Installation of Sidewalk Bridge (01 54 30 00-0001)		
01 54 30 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 61.75 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. <i>For 3 Post System, Add</i> 6.00 <i>For Each Additional Foot Over 8' Wide, Add</i> 3.00 <i>For Each Additional Foot Over 8' High, Add</i> 2.00	61.75	
01 54 30 00-0004 LF Installation of Netting for Sidewalk Bridge 2.97	2.97	
01 54 30 00-0005 Monthly Rental of Sidewalk Bridge (01 54 30 00-0001)		
01 54 30 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 5.17 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 0.78	5.17	
01 54 30 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 5.81 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 0.87	5.81	
01 54 30 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 6.46 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 0.97	6.46	
01 54 30 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 6.46 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 0.97	6.46	
01 54 30 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 7.11 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 1.07	7.11	
01 54 30 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 8.40 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 1.26	8.40	
01 54 30 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 7.75 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 1.16	7.75	
01 54 30 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 9.04 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 1.36	9.04	
01 54 30 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 9.69 Note: Includes spanning openings, planking and parapet, lighting and maintenance. <i>For 3 Post System, Add</i> 1.45	9.69	
01 54 30 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge 0.97	0.97	
01 54 30 00-0016 Removal of Sidewalk Bridge (01 54 30 00-0001)		
01 54 30 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 24.19 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. <i>For 3 Post System, Add</i> 2.50 <i>For Each Additional Foot Over 8' Wide, Add</i> 1.25 <i>For Each Additional Foot Over 8' High, Add</i> 0.75	24.19	
01 54 30 00-0018 LF Removal of Netting for Sidewalk Bridge 1.48	1.48	
01 55 Vehicular Access And Parking (01 50)		
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Prefomed Traffic Black Line Mask (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask 3.95	3.95	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask 4.82	4.82	
01 55 26 00-0004 Temporary Prefomed Traffic Line Tape (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape 3.02	3.02	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape 4.00	4.00	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape 4.91	4.91	
01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines 2.69 <i>For Not Removed, Deduct</i> -2.15	2.69	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines.....	3.58
		<i>For Not Removed, Deduct</i>	-2.91
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines.....	4.49
		<i>For Not Removed, Deduct</i>	-3.70
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.13
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.15

01 55 26 00-0014 Pedestrian Traffic Control (01 55 26)

01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	10.48
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	14.30
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	7.35
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	9.28
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	10.51
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	15.42
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape).....	13.17
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape).....	19.40
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape).....	25.51
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape).....	29.92

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

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

Note: Excludes placing and removing devices.

01 55 26 00-0027	DAY	28" Cone With Reflective Collar.....	0.42
01 55 26 00-0028	WK	28" Cone With Reflective Collar.....	1.25
01 55 26 00-0029	MO	28" Cone With Reflective Collar.....	3.74
01 55 26 00-0030	DAY	Vertical Panel.....	1.26
01 55 26 00-0031	WK	Vertical Panel.....	3.77
01 55 26 00-0032	MO	Vertical Panel.....	11.30
01 55 26 00-0033	DAY	Channelizer Drum.....	1.36
01 55 26 00-0034	WK	Channelizer Drum.....	4.09
01 55 26 00-0035	MO	Channelizer Drum.....	12.27
01 55 26 00-0036	DAY	Stackable Channelizer Panel.....	0.64
01 55 26 00-0037	WK	Stackable Channelizer Panel.....	1.93
01 55 26 00-0038	MO	Stackable Channelizer Panel.....	5.80
01 55 26 00-0039	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	0.89
01 55 26 00-0040	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	2.68
01 55 26 00-0041	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	8.03
01 55 26 00-0042	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	1.98
01 55 26 00-0043	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	5.94
01 55 26 00-0044	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	17.81
01 55 26 00-0045	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.26
01 55 26 00-0046	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	6.77
01 55 26 00-0047	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	20.30
01 55 26 00-0048	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.12
01 55 26 00-0049	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	12.37
01 55 26 00-0050	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	37.12
01 55 26 00-0051	DAY	Up To 10' Wide A Frame Barricade.....	2.26
01 55 26 00-0052	WK	Up To 10' Wide A Frame Barricade.....	6.79
01 55 26 00-0053	MO	Up To 10' Wide A Frame Barricade.....	20.36
01 55 26 00-0054	DAY	Type A Or C Flasher.....	0.46
01 55 26 00-0055	WK	Type A Or C Flasher.....	1.38
01 55 26 00-0056	MO	Type A Or C Flasher.....	4.15
01 55 26 00-0057	DAY	Type B Flasher (High Intensity).....	2.50
01 55 26 00-0058	WK	Type B Flasher (High Intensity).....	7.50
01 55 26 00-0059	MO	Type B Flasher (High Intensity).....	22.51

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

Note: Excludes placing and removing devices.

01 55 26 00-0061	DAY	6' Long Portable Parking Curbs.....	1.08
01 55 26 00-0062	WK	6' Long Portable Parking Curbs.....	3.23
01 55 26 00-0063	MO	6' Long Portable Parking Curbs.....	9.70
01 55 26 00-0064	DAY	6' Long Portable Speed Bumps.....	3.19
01 55 26 00-0065	WK	6' Long Portable Speed Bumps.....	9.56
01 55 26 00-0066	MO	6' Long Portable Speed Bumps.....	28.69
01 55 26 00-0067	DAY	Up To 12.5' Concrete Traffic Barrier.....	7.66
01 55 26 00-0068	WK	Up To 12.5' Concrete Traffic Barrier.....	22.98
01 55 26 00-0069	MO	Up To 12.5' Concrete Traffic Barrier.....	68.94
01 55 26 00-0070	DAY	>12.5' To 20' Concrete Traffic Barrier.....	15.32
01 55 26 00-0071	WK	>12.5' To 20' Concrete Traffic Barrier.....	45.96
01 55 26 00-0072	MO	>12.5' To 20' Concrete Traffic Barrier.....	137.87
01 55 26 00-0073	DAY	6' x 32" Tall Plastic Water Barrier.....	9.15
01 55 26 00-0074	WK	6' x 32" Tall Plastic Water Barrier.....	27.44
01 55 26 00-0075	MO	6' x 32" Tall Plastic Water Barrier.....	82.32
01 55 26 00-0076	DAY	6' x 46" Tall Plastic Water Barrier.....	13.06
01 55 26 00-0077	WK	6' x 46" Tall Plastic Water Barrier.....	39.18
01 55 26 00-0078	MO	6' x 46" Tall Plastic Water Barrier.....	117.55
01 55 26 00-0079	DAY	Sand Filled Crash Attenuator Barrels.....	5.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0080	WK	Sand Filled Crash Attenuator Barrels	15.34
01 55 26 00-0081	MO	Sand Filled Crash Attenuator Barrels	46.01

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

Note: Excludes placing and removing devices.

01 55 26 00-0083	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.01
01 55 26 00-0084	WK	Mesh Or Vinyl Roll-up Sign With Stand	12.04
01 55 26 00-0085	MO	Mesh Or Vinyl Roll-up Sign With Stand	36.12
01 55 26 00-0086	DAY	Aluminum Sign And Post	2.31
01 55 26 00-0087	WK	Aluminum Sign And Post	6.92
01 55 26 00-0088	MO	Aluminum Sign And Post	20.75
01 55 26 00-0089	DAY	Aluminum Sign And A Frame Stand	3.03
01 55 26 00-0090	WK	Aluminum Sign And A Frame Stand	9.10
01 55 26 00-0091	MO	Aluminum Sign And A Frame Stand	27.31
01 55 26 00-0092	DAY	Trailer Mounted Arrow Board	47.99
01 55 26 00-0093	WK	Trailer Mounted Arrow Board	143.98
01 55 26 00-0094	MO	Trailer Mounted Arrow Board	431.95
01 55 26 00-0095	DAY	Trailer Mounted Message Board	183.00
01 55 26 00-0096	WK	Trailer Mounted Message Board	549.00
01 55 26 00-0097	MO	Trailer Mounted Message Board	1,647.00
01 55 26 00-0098	DAY	Trailer Mounted Traffic Signal	250.00
01 55 26 00-0099	WK	Trailer Mounted Traffic Signal	1,650.00
01 55 26 00-0100	MO	Trailer Mounted Traffic Signal	6,500.00

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

Note: Includes delivery and return up to 15 miles.

01 55 26 00-0102	EA	Place And Remove Up To 250 Cones Using Truck	3.45
01 55 26 00-0103	EA	Place And Remove >250 Cones Using Truck	2.76
01 55 26 00-0104	EA	Place And Remove Up To 250 Panels/Channelizers Using Truck	4.60
01 55 26 00-0105	EA	Place And Remove >250 Panels/Channelizers Using Truck	3.69
01 55 26 00-0106	EA	Place And Remove Up To 250 Barricades Using Truck	6.90
01 55 26 00-0107	EA	Place And Remove >250 Barricades Using Truck	5.52
01 55 26 00-0108	EA	Place And Remove Curbs/Speed Bumps Using Truck	6.90
01 55 26 00-0109	EA	Place And Remove Portable Sign And Stand Using Truck	4.14
01 55 26 00-0110	EA	Place And Remove Aluminum Sign And Post Using Truck	17.26
01 55 26 00-0111	EA	Place And Remove Trailer Mounted Boards Using Truck	51.79
01 55 26 00-0112	EA	Place And Remove Up To 12.5' Concrete Traffic Barrier	70.46
		Note: If lifting equipment is not available on site,	
		For 1 Barrier, Add	176.15
		For 2 Barriers, Add	63.41
		For 3 Barriers, Add	21.14
01 55 26 00-0113	EA	Place And Remove >12.5' Concrete Traffic Barrier	105.69
		Note: If lifting equipment is not available on site,	
		For 1 Barrier, Add	264.23
		For 2 Barriers, Add	95.12
		For 3 Barriers, Add	31.71
01 55 26 00-0114	EA	Place And Remove Plastic Water Barrier	36.69
		Note: Includes water. If lifting equipment is not available on site,	
		For 1 Barrier, Add	88.08
		For 2 Barriers, Add	31.71
		For 3 Barriers, Add	10.57
01 55 26 00-0115	EA	Place And Remove Crash Attenuator Barrels	52.84
		Note: If lifting equipment is not available on site,	
		For 1 Barrier, Add	132.10
		For 2 Barriers, Add	47.56
		For 3 Barriers, Add	15.85

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

01 55 26 00-0117	EA	Place And Remove Up To 250 Cones By Hand From Roadside	1.73
01 55 26 00-0118	EA	Place And Remove >250 Cones By Hand From Roadside	1.38
01 55 26 00-0119	EA	Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.30
01 55 26 00-0120	EA	Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.84
01 55 26 00-0121	EA	Place And Remove Up To 250 Barricades By Hand From Roadside	3.45
01 55 26 00-0122	EA	Place And Remove >250 Barricades By Hand From Roadside	2.76
01 55 26 00-0123	EA	Place And Remove Portable Sign And Stand From Roadside	2.13
01 55 26 00-0124	EA	Place And Remove Trailer Mounted Boards From Roadside	25.90
01 55 26 00-0125	EA	Roadside Relocation Of Concrete Traffic Barrier	35.23
		Note: Excludes flatbed truck. If lifting equipment is not available on site,	

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 26 Temporary Fencing (01 56)

01 56 26 00-0001	Temporary Fencing	(01 56 26) Note: Includes set-up and removal. Excludes auguring/drilling for posts.	
01 56 26 00-0002	Temporary Chain Link Fence	(01 56 26 00-0001) Note: Includes set-up and removal. Excludes auguring/drilling for posts.	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	1.35	
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.14	
			For >500, Deduct	-0.20	
			For Shade Cloth, Add	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	1.52	
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.15	
			For >500, Deduct	-0.23	
			For Shade Cloth, Add	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	2.56	
			For >100 To 250, Deduct	-0.13	
			For >250 To 500, Deduct	-0.26	
			For >500, Deduct	-0.38	
			For Shade Cloth, Add	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	7.62	
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-1.14	
			For Shade Cloth, Add	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	1.48	
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.15	
			For >500, Deduct	-0.22	
			For Shade Cloth, Add	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	1.67	
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.17	
			For >500, Deduct	-0.25	
			For Shade Cloth, Add	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	2.82	
			For >100 To 250, Deduct	-0.14	
			For >250 To 500, Deduct	-0.28	
			For >500, Deduct	-0.42	
			For Shade Cloth, Add	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	8.38	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.26	
			For Shade Cloth, Add	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	1.63	
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.16	
			For >500, Deduct	-0.24	
			For Shade Cloth, Add	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	1.84	
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.18	
			For >500, Deduct	-0.28	
			For Shade Cloth, Add	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	3.10	
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.31	
			For >500, Deduct	-0.47	
			For Shade Cloth, Add	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	9.22	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.38	
			For Shade Cloth, Add	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	1.79	
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.18	
			For >500, Deduct	-0.27	
			For Shade Cloth, Add	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	2.01	
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.20	
			For >500, Deduct	-0.30	
			For Shade Cloth, Add	2.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	3.41	
<i>For >100 To 250, Deduct</i>	-0.17	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500, Deduct</i>	-0.51	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	10.14	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-1.01	
<i>For >500, Deduct</i>	-1.52	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	85.71	
<i>For Shade Cloth, Add</i>	6.40	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	133.33	
<i>For Shade Cloth, Add</i>	16.00	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	152.38	
<i>For Shade Cloth, Add</i>	19.20	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	171.43	
<i>For Shade Cloth, Add</i>	24.00	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	209.52	
<i>For Shade Cloth, Add</i>	32.00	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	228.58	
<i>For Shade Cloth, Add</i>	38.40	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	89.61	
<i>For Shade Cloth, Add</i>	10.20	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	139.39	
<i>For Shade Cloth, Add</i>	25.50	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	159.30	
<i>For Shade Cloth, Add</i>	30.60	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	179.22	
<i>For Shade Cloth, Add</i>	38.25	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	219.05	
<i>For Shade Cloth, Add</i>	51.00	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	238.96	
<i>For Shade Cloth, Add</i>	61.20	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	98.57	
<i>For Shade Cloth, Add</i>	14.40	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	153.33	
<i>For Shade Cloth, Add</i>	36.00	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	175.24	
<i>For Shade Cloth, Add</i>	43.20	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	197.14	
<i>For Shade Cloth, Add</i>	54.00	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	240.95	
<i>For Shade Cloth, Add</i>	72.00	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	262.86	
<i>For Shade Cloth, Add</i>	86.40	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	123.21	
<i>For Shade Cloth, Add</i>	19.00	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	191.67	
<i>For Shade Cloth, Add</i>	47.50	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	219.05	
<i>For Shade Cloth, Add</i>	57.00	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	246.43	
<i>For Shade Cloth, Add</i>	71.25	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	301.19	
<i>For Shade Cloth, Add</i>	95.00	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	328.57	
<i>For Shade Cloth, Add</i>	114.00	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	90.00	
<i>For Shade Cloth, Add</i>	6.40	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	140.00	
<i>For Shade Cloth, Add</i>	16.00	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	160.00	
			<i>For Shade Cloth, Add</i>	19.20	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	180.00	
			<i>For Shade Cloth, Add</i>	24.00	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.00	
			<i>For Shade Cloth, Add</i>	32.00	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	240.00	
			<i>For Shade Cloth, Add</i>	38.40	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	94.09	
			<i>For Shade Cloth, Add</i>	10.20	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	146.36	
			<i>For Shade Cloth, Add</i>	25.50	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	167.27	
			<i>For Shade Cloth, Add</i>	30.60	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	188.19	
			<i>For Shade Cloth, Add</i>	38.25	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	230.00	
			<i>For Shade Cloth, Add</i>	51.00	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	250.91	
			<i>For Shade Cloth, Add</i>	61.20	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	103.50	
			<i>For Shade Cloth, Add</i>	14.40	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	161.00	
			<i>For Shade Cloth, Add</i>	36.00	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	184.00	
			<i>For Shade Cloth, Add</i>	43.20	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	207.00	
			<i>For Shade Cloth, Add</i>	54.00	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	253.00	
			<i>For Shade Cloth, Add</i>	72.00	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	276.00	
			<i>For Shade Cloth, Add</i>	86.40	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	129.38	
			<i>For Shade Cloth, Add</i>	19.00	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	201.25	
			<i>For Shade Cloth, Add</i>	47.50	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	230.00	
			<i>For Shade Cloth, Add</i>	57.00	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	258.75	
			<i>For Shade Cloth, Add</i>	71.25	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	316.25	
			<i>For Shade Cloth, Add</i>	95.00	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	345.00	
			<i>For Shade Cloth, Add</i>	114.00	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	94.50	
			<i>For Shade Cloth, Add</i>	6.40	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	147.00	
			<i>For Shade Cloth, Add</i>	16.00	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	168.00	
			<i>For Shade Cloth, Add</i>	19.20	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	189.00	
			<i>For Shade Cloth, Add</i>	24.00	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	230.99	
			<i>For Shade Cloth, Add</i>	32.00	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	252.01	
			<i>For Shade Cloth, Add</i>	38.40	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	98.80	
			<i>For Shade Cloth, Add</i>	10.20	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	153.68	
			<i>For Shade Cloth, Add</i>	25.50	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	175.63	
			<i>For Shade Cloth, Add</i>	30.60	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	197.60	
			<i>For Shade Cloth, Add</i>	38.25	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	241.50	
			<i>For Shade Cloth, Add</i>	51.00	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	263.45 61.20	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	108.68 14.40	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	169.05 36.00	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	193.20 43.20	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	217.35 54.00	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	265.65 72.00	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	289.80 86.40	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	135.84 19.00	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	211.31 47.50	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	241.50 57.00	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	271.69 71.25	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	332.06 95.00	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	362.25 114.00	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	99.00 6.40	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	154.00 16.00	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	176.00 19.20	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	198.00 24.00	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	241.99 32.00	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	264.01 38.40	
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	103.50 10.20	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	161.00 25.50	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	183.99 30.60	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	207.00 38.25	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	253.00 51.00	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	276.00 61.20	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	113.85 14.40	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	177.10 36.00	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	202.40 43.20	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	227.70 54.00	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	278.30 72.00	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	303.60 86.40	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	142.31 19.00	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	221.38 47.50	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	253.00 57.00	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	284.62 71.25	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	347.88 95.00	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	379.50 114.00	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001) Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141			Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	1.61 -0.08 -0.16 -0.24 1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	1.81 -0.09 -0.18 -0.27 2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	2.91 -0.15 -0.29 -0.44 3.60	
01 56 26 00-0145			Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	1.75 -0.09 -0.18 -0.26 1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	1.96 -0.10 -0.20 -0.29 2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	3.16 -0.16 -0.32 -0.47 3.60	
01 56 26 00-0149			Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	1.89 -0.09 -0.19 -0.28 1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	2.13 -0.11 -0.21 -0.32 2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	3.45 -0.17 -0.35 -0.52 3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	2.06 -0.10 -0.21 -0.31 1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	2.30 -0.12 -0.23 -0.35 2.55	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	3.75 -0.19 -0.38 -0.56 3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag..... Note: Includes placement and removal.	5.10	
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001) Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	2.11	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	3.15	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	4.55	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	5.60	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.66	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.80	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.89	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	86.42	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	99.72	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	122.99	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	132.96	
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Walkways And Railings (01 56 29)		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway..... Note: Excludes walkway.	8.58	
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.26	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	14.91	
01 56 29 00-0005 Safety Nets (01 56 29)		
01 56 29 00-0006 SF Small Mesh Debris Netting	1.31	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels.....	1.34	
01 56 33 00-0003 Temporary Safety Fence (01 56 33) Note: Includes removal after use.		
01 56 33 00-0004 LF Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center.....	2.31	
01 56 33 00-0005 Temporary Safety Guardrail (01 56 33) Note: Includes removal after use.		
01 56 33 00-0006 LF 42" High Temporary Safety Guardrail..... Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. <i>For Concrete Substrate, Add</i>	22.28 1.28	
01 56 33 00-0007 Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0008 OPN Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	9.97	
01 56 33 00-0009 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	5.61	
01 56 33 00-0010 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.50	
01 56 33 00-0011 Street Barricade (01 56 33)		
01 56 33 00-0012 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.63	
01 56 39 Temporary Tree And Plant Protection (01 56)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 39 00-0001	Temporary Tree Guards <small>(01 56 39)</small> Note: Includes digging holes and removal.		
01 56 39 00-0002	EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	130.21	
01 56 39 00-0003	EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	150.55	
01 56 39 00-0004	EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	162.78	

01 58 Project Identification (01 50)
Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001	Project Sign <small>(01 58 13)</small>		
01 58 13 00-0002	MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	96.56	18.28
	For High-Intensity Grade, Add	21.00	
	For Diamond Grade, Add	40.49	
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	158.22	19.11
	For High-Intensity Grade, Add	41.99	
	For Diamond Grade, Add	80.99	
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	219.87	19.95
	For High-Intensity Grade, Add	62.99	
	For Diamond Grade, Add	121.49	
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	281.53	20.78
	For High-Intensity Grade, Add	83.99	
	For Diamond Grade, Add	161.98	
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	8.83	0.66
	For High-Intensity Grade, Add	2.63	
	For Diamond Grade, Add	5.06	

01 58 13 00-0010	Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	117.96	18.28
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	139.06	19.11
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	171.69	19.95
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	202.55	20.78
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	6.36	0.66

01 58 13 00-0017	Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	120.25	18.28
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	151.41	19.11
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	184.25	19.95
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	213.31	20.78
01 58 13 00-0022	SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.70	0.66

01 58 13 00-0023	Fabricate And Install New Posts <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts	9.87	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts	8.04	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts	9.44	

01 58 13 00-0027	Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028	EA Install And Remove Owner Supplied Project Sign	66.49	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'. To be used for moving of existing material, owner supplied material or as directed by the owner.

01 66 19 00-0001	Material Handling Between Floors <small>(01 66 19)</small>		
01 66 19 00-0002	CY Moving Material Via Stairs, Per CY Of Material Per Floor	7.31	
	Note: Quantity equals material volume times number of floors traveled.		
01 66 19 00-0003	CY Moving Material Via Elevator, Per CY Of Material	4.38	
	Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.		



General Requirements	01	10
Product Requirements	01 60	
Product Storage And Handling Requirements	01 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0004	Moving Furniture <small>(01 66 19)</small>	
	<small>Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.</small>	
01 66 19 00-0005	SF Remove, Transport, Return And Reinstall Office Furniture.....	0.83
	<small>Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.</small>	
01 66 19 00-0006	Material Handling For Distances Greater Than 125' <small>(01 66 19)</small>	
01 66 19 00-0007	CY Handling Material For Over 125' Per CY Of Material Per 125'.....	3.46
	<small>Note: For delivery, demo or miscellaneous moving required by owner.</small>	
01 66 19 00-0008	Rubbish Handling Between Floors <small>(01 66 19)</small>	
	<small>Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.</small>	
01 66 19 00-0009	CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor	6.65
	<small>Note: Quantity equals material volume times bulk factor times number of floors traveled.</small>	
01 66 19 00-0010	CY Rubbish Handling Via Elevator, Per CY Of Material	3.98
	<small>Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.</small>	

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 71)

01 71 13 Mobilization (01 71)

01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
	<small>Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary. Excludes cranes which may be required for special railroad equipment. For deliveries over 15 miles the quantity is the number of miles traveled, one way, over 15. For example: to deliver equipment 25 miles, the quantity of miles over 15 is calculated as 25 - 15 = 10 miles. Cost for mileage for any return trips are included in the rate and are not added to the quantity. See CSI section 01 22 23 00-0709 for cranes.</small>	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	201.32
	<small>Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.</small>	
01 71 13 00-0003	MI For Equipment Delivery And Pickup Using A Rollback Flatbed Truck Over 15 Miles, Add.....	4.03
01 71 13 00-0004	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	402.63
	<small>Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.</small>	
01 71 13 00-0005	MI For Equipment Delivery And Pickup Using A Tractor Trailer With Up To 53' Bed Over 15 Miles, Add.....	8.05
01 71 13 00-0006	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
	<small>Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.</small>	
01 71 13 00-0007	EA Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	260.40
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>65.10</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>104.16</small>
01 71 13 00-0008	EA 20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	374.98
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>93.75</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>149.99</small>
01 71 13 00-0009	EA 40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	499.97
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>124.99</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>199.99</small>
01 71 13 00-0010	EA 70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane	812.45
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>203.11</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>324.98</small>
01 71 13 00-0011	EA 75 Ton Lift Move On/Off Cost, Mechanical Crane	641.63
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>160.41</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>256.65</small>
01 71 13 00-0012	EA 100 Ton Lift Move On/Off Cost, Mechanical Crane	1,041.60
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>260.40</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>416.64</small>
01 71 13 00-0013	EA 125 Ton Lift Move On/Off Cost, Mechanical Crane	1,291.58
	<small>Note: Includes delivery and pickup.</small>	
	<small>For >30 To 60 Miles Radius, Add</small>	<small>322.90</small>
	<small>For >60 To 100 Miles Radius, Add</small>	<small>516.63</small>

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0014	EA		150 Ton Lift Move On/Off Cost, Mechanical Crane.....	1,604.06	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	401.02	
			For >60 To 100 Miles Radius, Add	641.62	
01 71 13 00-0015	EA		250 Ton Lift Move On/Off Cost, Mechanical Crane.....	2,916.48	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	729.12	
			For >60 To 100 Miles Radius, Add	1,166.59	
01 71 13 00-0016	EA		300 Ton Lift Move On/Off Cost, Mechanical Crane.....	4,166.40	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	1,041.60	
			For >60 To 100 Miles Radius, Add	1,666.56	
01 71 13 00-0017	EA		500 Ton Lift Move On/Off Cost, Mechanical Crane.....	6,249.60	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	1,562.40	
			For >60 To 100 Miles Radius, Add	2,499.84	

01 71 23 Field Engineering (01 71)**01 71 23 16 Construction Surveying (01 71 23)****01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)**

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR		Survey Clear Area With Few To No Obstacles	735.45	
01 71 23 16-0003	ACR		Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,097.16	
01 71 23 16-0004	ACR		Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,007.62	
01 71 23 16-0005	ACR		Survey Developed Areas With Several Structures (25-65% Buildings).....	4,554.36	
01 71 23 16-0006	ACR		Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	5,713.88	

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

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF		Survey Property Lines On Cleared Land	1.73	
01 71 23 16-0009	LF		Survey Property Lines On Slightly Wooded Land	2.01	
01 71 23 16-0010	LF		Survey Property Lines On Wooded Land.....	2.36	

01 71 23 16-0011 Survey Monument (01 71 23 16)

01 71 23 16-0012	EA		3' Precast Survey Monument.....	114.35	
			For Owner Furnished Monument, Deduct	-49.03	

01 71 23 16-0013 Facade Surveying (01 71 23 16)

01 71 23 16-0014	LF		Facade Survey And Reports (LF Of Facade x Number Of Floors).....	4.75	
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01 71 23 16-0015 Utility Survey (01 71 23 16)

Note: This survey is only for the location of underground utilities.

01 71 23 16-0016	ACR		Survey Clear Area For Underground Utilities.....	3,940.18	
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01 71 36 Non-Destructive Concrete Examination (01 71)**01 71 36 00-0001 X-Ray And Electromagnetic Survey (01 71 36)**

Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.

01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge (01 71 36 00-0001)

01 71 36 00-0003	EA		X-Ray Or Electromagnetic Survey Minimum Set-Up Charge.....	610.14	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

01 71 36 00-0004 X-Ray Survey (01 71 36 00-0001)

01 71 36 00-0005	EA		X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt.....	133.64	
			For >8 To 25, Deduct	-31.25	

01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)

01 71 36 00-0007	EA		Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	267.28	
			For >5 To 20, Deduct	-106.91	
01 71 36 00-0008	EA		Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	534.55	
01 71 36 00-0009	SF		Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt.....	1.07	

01 74 Cleaning And Waste Management (01 70)**01 74 13 Progress Cleaning (01 74)**

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001		General <small>(01 74 13)</small>	
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	16.64
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster	19.49

Note: Per CY of debris removed.

01 74 16 Site Maintenance (01 74)

01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small>	
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog@.			
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>	
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper.....	14.54
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	17.44
01 74 16 00-0005	MSF	Sweep Runway, With Street Sweep	21.81

01 74 19 Construction Waste Management And Disposal (01 74)

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

01 74 19 00-0001		Debris Chutes <small>(01 74 19)</small>	
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.			
01 74 19 00-0002		Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute.....	22.92
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute.....	34.34

01 74 19 00-0005		Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	9.07
For Steel Liner, Add			1.74
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	10.38
For Steel Liner, Add			1.99
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	11.70
For Steel Liner, Add			2.25

01 74 19 00-0009		Wood Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute.....	17.35

Note: Includes fabrication and installation.

01 74 19 00-0011		Construction Dumpsters Rental <small>(01 74 19)</small>	
Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.			
01 74 19 00-0012	EA	6 CY Dumpster (1 Ton) "Construction Debris".....	278.83
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0013	EA	10 CY Dumpster (1.5 Ton) "Construction Debris".....	310.69
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0014	EA	15 CY Dumpster (2 Ton) "Construction Debris".....	309.21
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0015	EA	20 CY Dumpster (3 Ton) "Construction Debris".....	419.60
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0016	EA	30 CY Dumpster (4 Ton) "Construction Debris".....	477.99
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0017	EA	40 CY Dumpster (5 Ton) "Construction Debris".....	578.41
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.			
For Each Ton Over Indicated Amount, Add			42.00
01 74 19 00-0018	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	578.41
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.			
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Clean Recyclable.....	664.35
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.			
01 74 19 00-0020	EA	15 CY Low-Boy Dumpster Mixed Recyclable.....	713.92
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.			

01 74 19 00-0021		Concrete Washout Service <small>(01 74 19)</small>	
01 74 19 00-0022	MO	Rampless Concrete Washout Bin	361.10

Note: Includes delivery.

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0023 MO Ramped Concrete Washout Bin.....	433.32	
Note: Includes delivery.		
01 74 19 00-0024 EA Interim Vacuum Service, Concrete Washout Bin	300.00	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0025 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	650.00	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0026 Debris Processing Fee (01 74 19)		
01 74 19 00-0027 Recycler Fees (01 74 19 00-0026)		
Note: Excludes hauling.		
01 74 19 00-0028 CY Drop-Off Asphalt At Recycling Center.....	14.48	
01 74 19 00-0029 CY Drop-Off Concrete At Recycling Center	7.24	
01 74 19 00-0030 Landfill Dump Fees (01 74 19 00-0026)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0050 for hauling.		
01 74 19 00-0031 CY Traditional Building Construction Materials Landfill Dump Fee	9.64	
01 74 19 00-0032 CY Trees, Stumps And Brush, Landfill Dump Fee	11.60	
01 74 19 00-0033 CY Rubbish Landfill Dump Fee	9.46	
01 74 19 00-0034 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	27.66	
01 74 19 00-0035 CY Excavated Dirt Landfill Dump Fee.....	9.28	
01 74 19 00-0036 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	19.66	
01 74 19 00-0037 TON Traditional Building Construction Materials, Landfill Dump Fee.....	42.00	
01 74 19 00-0038 CY Non Reinforced Concrete And/Or Rock, 2" Minus	4.20	
01 74 19 00-0039 CY Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1".....	5.85	
01 74 19 00-0040 CY Reinforced Concrete not trimmed, 2" Minus	10.40	
01 74 19 00-0041 CY Mixed Asphalt And Concrete, Sized And Trimmed	3.73	
01 74 19 00-0042 CY Asphalt Or Asphalt And Dirt, Sized To 2" Minus	5.85	
01 74 19 00-0043 CY Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus	12.50	
01 74 19 00-0044 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash)	24.87	
01 74 19 00-0045 CY Clay Loads, Expansive Materials.....	31.09	
01 74 19 00-0046 CY Clean Asphalt, Sized 2" Minus, No Dirt.....	4.44	
01 74 19 00-0047 TON General Refuse.....	37.31	
01 74 19 00-0048 TON Hard-To-Handle Refuse.....	62.18	
01 74 19 00-0049 EA Tires.....	11.40	
01 74 19 00-0050 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0051 CYM Hauling On Paved Roads, First 15 Miles	0.88	
01 74 19 00-0052 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.66	
01 74 19 00-0053 CYM Hauling On Unimproved Roads, First 15 Miles	1.20	
01 74 19 00-0054 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.99	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Glass (01 74 23)		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	21.76	

END OF SECTION 01



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

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

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

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

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

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

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

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

02 32 13 00-0001 Auger Borings ^(02 32 13)

02 32 13 00-0002 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals21.90

02 32 13 00-0003 Cased Borings In Earth, With Samples ^(02 32 13)

Note: All types of soils.

02 32 13 00-0004 LF 2-1/2" Diameter Cased Borings In Earth, With Samples31.36

02 32 13 00-0005 LF 4" Diameter Cased Borings In Earth, With Samples34.36

02 32 13 00-0006 Drilling In Rock, AW Core (1.25") ^(02 32 13)

02 32 13 00-0007 LF Drill In Rock, AW Core64.59

Note: Includes sampling.

02 32 13 00-0008 EA Drill In Rock, With AW Core Boxes5.49

02 32 13 00-0009 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0010 LF Drill In Rock, BW Core69.42

Note: Includes sampling.

02 32 13 00-0011 LF Drill In Rock, BW Core, With Casing75.03

Note: Includes sampling.

02 32 13 00-0012 EA Drill In Rock, With BW Core Boxes5.49

02 32 13 00-0013 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0014 LF Drill In Rock, NW Core77.07

Note: Includes sampling.

02 32 13 00-0015 LF Drill In Rock, NW Core, With Casing83.59

Note: Includes sampling.

02 32 13 00-0016 EA Drill In Rock, With NW Core Boxes6.32

02 32 13 00-0017 Test Pits For Boring Activities ^(02 32 13)

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

02 32 13 00-0018 Backhoe Dug Test Pits ^(02 32 13 00-0017)

02 32 13 00-0019 CY Excavation For Test Pit, Light Material, Backhoe Excavation47.37

02 32 13 00-0020 CY Excavation For Test Pits, Medium Material, Backhoe Excavation55.26

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation73.69

02 32 13 00-0022 Hand-Dug Test Pits ^(02 32 13 00-0017)

02 32 13 00-0023 CY Excavation For Test Pit, Light Soil, Hand Excavation147.74

02 32 13 00-0024 CY Excavation For Test Pit, Heavy Soil, Hand Excavation265.92

02 32 13 00-0025 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0026 EA Shelby Tube Sampling26.20

02 32 13 00-0027 EA Penetration Test21.35

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)

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

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0001	By Machine, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0040 for saw cutting.	
02 41 13 13-0002	SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving.....	4.88
	For >500 To 1,000, Deduct	-0.49
	For >1,000 To 2,500, Deduct	-0.88
	For >2,500 To 5,000, Deduct	-1.27
	For >5,000 To 10,000, Deduct	-1.66
	For >10,000, Deduct	-2.05
02 41 13 13-0003	SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving.....	7.32
	For >500 To 1,000, Deduct	-0.73
	For >1,000 To 2,500, Deduct	-1.32
	For >2,500 To 5,000, Deduct	-1.90
	For >5,000 To 10,000, Deduct	-2.49
	For >10,000, Deduct	-3.07
02 41 13 13-0004	SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving.....	8.82
	For >500 To 1,000, Deduct	-0.88
	For >1,000 To 2,500, Deduct	-1.59
	For >2,500 To 5,000, Deduct	-2.29
	For >5,000 To 10,000, Deduct	-3.00
	For >10,000, Deduct	-3.70
02 41 13 13-0005	SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	12.46
	For >500 To 1,000, Deduct	-1.25
	For >1,000 To 2,500, Deduct	-2.24
	For >2,500 To 5,000, Deduct	-3.24
	For >5,000 To 10,000, Deduct	-4.24
	For >10,000, Deduct	-5.23
02 41 13 13-0006	SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	17.65
	For >500 To 1,000, Deduct	-1.77
	For >1,000 To 2,500, Deduct	-3.18
	For >2,500 To 5,000, Deduct	-4.59
	For >5,000 To 10,000, Deduct	-6.00
	For >10,000, Deduct	-7.41
02 41 13 13-0007	SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	24.91
	For >500 To 1,000, Deduct	-2.49
	For >1,000 To 2,500, Deduct	-4.48
	For >2,500 To 5,000, Deduct	-6.48
	For >5,000 To 10,000, Deduct	-8.47
	For >10,000, Deduct	-10.46
02 41 13 13-0008	SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	32.58
	For >500 To 1,000, Deduct	-3.26
	For >1,000 To 2,500, Deduct	-5.86
	For >2,500 To 5,000, Deduct	-8.47
	For >5,000 To 10,000, Deduct	-11.08
	For >10,000, Deduct	-13.68
02 41 13 13-0009	SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	42.36
	For >500 To 1,000, Deduct	-4.24
	For >1,000 To 2,500, Deduct	-7.62
	For >2,500 To 5,000, Deduct	-11.01
	For >5,000 To 10,000, Deduct	-14.40
	For >10,000, Deduct	-17.79
02 41 13 13-0010	By Hand, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0031 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0040 for saw cutting.	
02 41 13 13-0011	SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.27
02 41 13 13-0012	SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.61
02 41 13 13-0013	SF >6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving.....	2.13
02 41 13 13-0014	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	1.59
02 41 13 13-0015	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	2.02
02 41 13 13-0016	SF Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up.....	2.66
02 41 13 13-0017	By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0040 for saw cutting.	
02 41 13 13-0018	SY Up To 3" By Machine, Break-up And Remove Bituminous Paving.....	9.85
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	2.96
	For Elevated Slab, Add	4.93
	For >500 To 1,000, Deduct	-0.99
	For >1,000 To 2,500, Deduct	-1.77
	For >2,500 To 5,000, Deduct	-2.56
	For >5,000 To 10,000, Deduct	-3.35
	For >10,000, Deduct	-4.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	13.45	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.04	
For Elevated Slab, Add	6.73	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,500, Deduct	-2.42	
For >2,500 To 5,000, Deduct	-3.50	
For >5,000 To 10,000, Deduct	-4.57	
For >10,000, Deduct	-5.65	
02 41 13 13-0020 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	11.33	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.40	
For Elevated Slab, Add	5.67	
For >500 To 1,000, Deduct	-1.13	
For >1,000 To 2,500, Deduct	-2.04	
For >2,500 To 5,000, Deduct	-2.95	
For >5,000 To 10,000, Deduct	-3.85	
For >10,000, Deduct	-4.76	
02 41 13 13-0021 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	14.83	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.45	
For Elevated Slab, Add	7.42	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,500, Deduct	-2.67	
For >2,500 To 5,000, Deduct	-3.86	
For >5,000 To 10,000, Deduct	-5.04	
For >10,000, Deduct	-6.23	
02 41 13 13-0022 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	15.04	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.51	
For Elevated Slab, Add	7.52	
For >500 To 1,000, Deduct	-1.50	
For >1,000 To 2,500, Deduct	-2.71	
For >2,500 To 5,000, Deduct	-3.91	
For >5,000 To 10,000, Deduct	-5.11	
For >10,000, Deduct	-6.32	
02 41 13 13-0023 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	19.48	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.84	
For Elevated Slab, Add	9.74	
For >500 To 1,000, Deduct	-1.95	
For >1,000 To 2,500, Deduct	-3.51	
For >2,500 To 5,000, Deduct	-5.06	
For >5,000 To 10,000, Deduct	-6.62	
For >10,000, Deduct	-8.18	
02 41 13 13-0024 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.29	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.69	
For Elevated Slab, Add	16.15	
For >500 To 1,000, Deduct	-3.23	
For >1,000 To 2,500, Deduct	-5.81	
For >2,500 To 5,000, Deduct	-8.40	
For >5,000 To 10,000, Deduct	-10.98	
For >10,000, Deduct	-13.56	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	16.31	
For Elevated Slab, Add	8.16	
For >500 To 1,000, Deduct	-1.63	
For >1,000 To 2,500, Deduct	-2.94	
For >2,500 To 5,000, Deduct	-4.24	
For >5,000 To 10,000, Deduct	-5.55	
For >10,000, Deduct	-6.85	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	20.96	
For Elevated Slab, Add	10.48	
For >500 To 1,000, Deduct	-2.10	
For >1,000 To 2,500, Deduct	-3.77	
For >2,500 To 5,000, Deduct	-5.45	
For >5,000 To 10,000, Deduct	-7.13	
For >10,000, Deduct	-8.80	
02 41 13 13-0027 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	37.48	
For Elevated Slab, Add	18.74	
For >500 To 1,000, Deduct	-3.75	
For >1,000 To 2,500, Deduct	-6.75	
For >2,500 To 5,000, Deduct	-9.74	
For >5,000 To 10,000, Deduct	-12.74	
For >10,000, Deduct	-15.74	
02 41 13 13-0028 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	48.92	
For Elevated Slab, Add	24.46	
For >500 To 1,000, Deduct	-4.89	
For >1,000 To 2,500, Deduct	-8.81	
For >2,500 To 5,000, Deduct	-12.72	
For >5,000 To 10,000, Deduct	-16.63	
For >10,000, Deduct	-20.55	
02 41 13 13-0029 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	63.96	
For Elevated Slab, Add	31.98	
For >500 To 1,000, Deduct	-6.40	
For >1,000 To 2,500, Deduct	-11.51	
For >2,500 To 5,000, Deduct	-16.63	
For >5,000 To 10,000, Deduct	-21.75	
For >10,000, Deduct	-26.86	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0030 SY >19' To 24' By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	77.62	
For Elevated Slab, Add	38.81	
For >500 To 1,000, Deduct	-7.76	
For >1,000 To 2,500, Deduct	-13.97	
For >2,500 To 5,000, Deduct	-20.18	
For >5,000 To 10,000, Deduct	-26.39	
For >10,000, Deduct	-32.60	
02 41 13 13-0031 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0040 for saw cutting.		
02 41 13 13-0032 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement By Hand	4.84	
02 41 13 13-0033 SF Break-up And Remove Up To 3" Thick Concrete By Hand.....	3.54	
02 41 13 13-0034 SF Break-Up And Remove >3" To 6" Thick Concrete By Hand.....	4.88	
02 41 13 13-0035 SF Break-Up And Remove >6" To 8" Thick Concrete By Hand.....	6.25	
02 41 13 13-0036 Grind Concrete (02 41 13 13)		
02 41 13 13-0037 EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	119.29	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	17.89	
For >1" To 1-1/2" Depth Of Grinding, Add	29.82	
For Up To 5, Add	23.86	
For >5 To 10, Add	11.93	
For >25 To 50, Deduct	-11.93	
For >50 To 250, Deduct	-17.89	
For >250, Deduct	-23.86	
For Sidewalks >5', Add	11.93	
For Up To 12" Additional Feathering Per Side, Add	11.93	
02 41 13 13-0038 Repair Uneven Sidewalks (02 41 13 13)		
Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 + 0)/2=1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0039 IF Up To 2000 Inch Feet Repair Uneven Sidewalks	41.00	
02 41 13 13-0040 IF 2000 To 3000 Inch Feet Repair Uneven Sidewalks	38.90	
02 41 13 13-0041 IF 3000 And Up Inch Feet Repair Uneven Sidewalks	36.79	
02 41 19 Selective Demolition (02 41)		
02 41 19 13 Selective Building Demolition (02 41 19)		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal	11.13	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal	17.39	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal	22.28	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal	27.89	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal	34.26	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	19.24	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	22.57	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	16.95	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.97	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	8.98	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0040 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	13.84	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	20.83	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	40.05	
02 41 19 13-0018 Facade Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0040 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal	4.23	
For Cleaning and Storage For Reuse, Add	3.17	
For Reinforcing, Add	0.63	



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

Exterior Masonry Removal (02 41 19 13-0001)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0040 for saw cutting.

02 41 19 13-0021	SF	Demo 4" Thick Non Reinforced Concrete Block Exterior Wall	3.72	
02 41 19 13-0022	SF	Demo 6" Thick Non Reinforced Concrete Block Exterior Wall	4.20	
02 41 19 13-0023	SF	Demo 8" Thick Non Reinforced Concrete Block Exterior Wall	5.08	
02 41 19 13-0024	SF	Demo 10" Thick Non Reinforced Concrete Block Exterior Wall	5.55	
02 41 19 13-0025	SF	Demo 12" Thick Non Reinforced Concrete Block Exterior Wall	6.10	
02 41 19 13-0026	SF	Demo 16" Thick Non Reinforced Concrete Block Exterior Wall	7.63	
02 41 19 13-0027	SF	Demo 4" Thick Reinforced Concrete Block Exterior Wall	4.41	
02 41 19 13-0028	SF	Demo 6" Thick Reinforced Concrete Block Exterior Wall	5.04	
02 41 19 13-0029	SF	Demo 8" Thick Reinforced Concrete Block Exterior Wall	6.10	
02 41 19 13-0030	SF	Demo 10" Thick Reinforced Concrete Block Exterior Wall	6.67	
02 41 19 13-0031	SF	Demo 12" Thick Reinforced Concrete Block Exterior Wall	7.32	
02 41 19 13-0032	SF	Demo 16" Thick Reinforced Concrete Block Exterior Wall	9.15	
02 41 19 13-0033	SF	Demo 4" Thick Brick Exterior Wall	3.72	
		<i>For Cleaning and Storage For Reuse, Add</i>	2.79	
02 41 19 13-0034	SF	Demo 6" Thick Brick Exterior Wall	4.20	
		<i>For Cleaning and Storage For Reuse, Add</i>	3.15	
02 41 19 13-0035	SF	Demo 8" Thick Brick Exterior Wall	5.08	
		<i>For Cleaning and Storage For Reuse, Add</i>	3.81	
02 41 19 13-0036	SF	Demo 10" Thick Brick Exterior Wall	5.55	
		<i>For Cleaning and Storage For Reuse, Add</i>	4.16	
02 41 19 13-0037	SF	Demo 12" Thick Brick Exterior Wall	6.10	
		<i>For Cleaning and Storage For Reuse, Add</i>	4.58	
02 41 19 13-0038	SF	Demo 16" Thick Brick Exterior Wall	7.63	
		<i>For Cleaning and Storage For Reuse, Add</i>	5.72	
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	10.84	
		<i>For Cleaning and Storage For Reuse, Add</i>	8.13	
		<i>For Reinforcing, Add</i>	1.63	

02 41 19 13-0040

Saw Cutting (02 41 19 13)

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

02 41 19 13-0041	LF	Saw Cut Bituminous Paving Up To 4" Depth	1.70	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.64	
		<i>For >250, Deduct</i>	-0.16	
02 41 19 13-0042	LF	Saw Cut Brick Masonry Up To 4" Depth	6.01	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.35	
		<i>For >250, Deduct</i>	-0.58	
02 41 19 13-0043	LF	Saw Cut Concrete Block Up To 4" Depth	5.47	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.13	
		<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0044	LF	Saw Cut Concrete Slab Or Paving Up To 4" Depth	2.00	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.74	
		<i>For >250, Deduct</i>	-0.18	
02 41 19 13-0045	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.60	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.97	
		<i>For >250, Deduct</i>	-0.24	
02 41 19 13-0046	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.16	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.59	
		<i>For >250, Deduct</i>	-0.39	
02 41 19 13-0047	LF	Saw Cut Plain Concrete Walls Up To 4" Depth	7.66	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.00	
		<i>For >250, Deduct</i>	-0.75	
02 41 19 13-0048	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	10.28	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	4.03	
		<i>For >250, Deduct</i>	-1.00	
02 41 19 13-0049	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	1.90	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.70	
		<i>For >250, Deduct</i>	-0.17	
02 41 19 13-0050	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth	5.50	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.14	
		<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0051	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth	5.50	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.14	
		<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0052	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth	5.50	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.14	
		<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0053	LF	Saw Cut Terrazzo Stone Pavements Up To 4" Depth	5.50	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.14	
		<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0054	EA	Saw Cut Minimum Set-up Charge, One Per Project	669.00	

Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0055	Torch Cutting (02 41 19 13)		
	Note: Includes grinding edge		
02 41 19 13-0056	LF Up To 1/2", Torch Cut Steel Plate.....	2.23	
02 41 19 13-0057	LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	4.47	
02 41 19 13-0058	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	6.69	
02 41 19 13-0059	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	8.92	
02 41 19 13-0060	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	11.15	
02 41 19 13-0061	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	13.39	
02 41 19 13-0062	Drilling (02 41 19 13)		
	Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0063	Concrete Core Drilling (02 41 19 13-0062)		
02 41 19 13-0064	Up To 4" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0065	EA Drill 2" Diameter Core In Up To 4" Concrete.....	37.90	
	For Horizontal Cores, Add	6.94	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.89	
02 41 19 13-0066	EA Drill 3" Diameter Core In Up To 4" Concrete.....	53.86	
	For Horizontal Cores, Add	9.92	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.84	
02 41 19 13-0067	EA Drill 4" Diameter Core In Up To 4" Concrete.....	72.21	
	For Horizontal Cores, Add	13.29	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.58	
02 41 19 13-0068	EA Drill 6" Diameter Core In Up To 4" Concrete.....	81.63	
	For Horizontal Cores, Add	14.88	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.76	
02 41 19 13-0069	EA Drill 8" Diameter Core In Up To 4" Concrete.....	128.96	
	For Horizontal Cores, Add	23.81	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.62	
02 41 19 13-0070	EA Drill 10" Diameter Core In Up To 4" Concrete.....	162.32	
	For Horizontal Cores, Add	29.76	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.52	
02 41 19 13-0071	EA Drill 12" Diameter Core In Up To 4" Concrete.....	189.81	
	For Horizontal Cores, Add	34.72	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	69.44	
02 41 19 13-0072	EA Drill 14" Diameter Core In Up To 4" Concrete.....	217.68	
	For Horizontal Cores, Add	39.68	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	79.35	
02 41 19 13-0073	EA Drill 18" Diameter Core In Up To 4" Concrete.....	247.95	
	For Horizontal Cores, Add	44.63	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.26	
02 41 19 13-0074	>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0075	EA Drill 2" Diameter Core In >4" To 6" Concrete.....	54.45	
	For Horizontal Cores, Add	9.92	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.84	
02 41 19 13-0076	EA Drill 3" Diameter Core In >4" To 6" Concrete.....	66.19	
	For Horizontal Cores, Add	11.90	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.81	
02 41 19 13-0077	EA Drill 4" Diameter Core In >4" To 6" Concrete.....	83.22	
	For Horizontal Cores, Add	14.88	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.76	
02 41 19 13-0078	EA Drill 6" Diameter Core In >4" To 6" Concrete.....	110.19	
	For Horizontal Cores, Add	19.84	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.68	
02 41 19 13-0079	EA Drill 8" Diameter Core In >4" To 6" Concrete.....	163.80	
	For Horizontal Cores, Add	29.76	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.52	
02 41 19 13-0080	EA Drill 10" Diameter Core In >4" To 6" Concrete.....	193.83	
	For Horizontal Cores, Add	34.72	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	69.44	
02 41 19 13-0081	EA Drill 12" Diameter Core In >4" To 6" Concrete.....	222.63	
	For Horizontal Cores, Add	39.68	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	79.35	
02 41 19 13-0082	EA Drill 14" Diameter Core In >4" To 6" Concrete.....	252.64	
	For Horizontal Cores, Add	44.63	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.26	
02 41 19 13-0083	EA Drill 18" Diameter Core In >4" To 6" Concrete.....	286.17	
	For Horizontal Cores, Add	49.60	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	99.19	
02 41 19 13-0084	>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0085	EA Drill 2" Diameter Core In >6" To 8" Concrete.....	61.17	
	For Horizontal Cores, Add	10.91	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.82	
02 41 19 13-0086	EA Drill 3" Diameter Core In >6" To 8" Concrete.....	73.57	
	For Horizontal Cores, Add	12.90	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0087 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	96.22	
For Horizontal Cores, Add	16.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.72	
02 41 19 13-0088 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	133.78	
For Horizontal Cores, Add	23.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.62	
02 41 19 13-0089 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	218.48	
For Horizontal Cores, Add	39.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	79.35	
02 41 19 13-0090 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	250.09	
For Horizontal Cores, Add	44.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.26	
02 41 19 13-0091 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	280.27	
For Horizontal Cores, Add	49.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	99.19	
02 41 19 13-0092 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	312.38	
For Horizontal Cores, Add	54.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	109.09	
02 41 19 13-0093 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	349.18	
For Horizontal Cores, Add	59.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	119.04	
02 41 19 13-0094 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0095 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	60.58	
For Horizontal Cores, Add	10.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.89	
02 41 19 13-0096 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	66.37	
For Horizontal Cores, Add	11.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.21	
02 41 19 13-0097 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	72.82	
For Horizontal Cores, Add	12.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.79	
02 41 19 13-0098 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	85.89	
For Horizontal Cores, Add	14.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.76	
02 41 19 13-0099 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	99.30	
For Horizontal Cores, Add	16.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.72	
02 41 19 13-0100 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	137.53	
For Horizontal Cores, Add	23.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.62	
02 41 19 13-0101 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	223.57	
For Horizontal Cores, Add	39.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	79.35	
02 41 19 13-0102 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	256.79	
For Horizontal Cores, Add	44.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.26	
02 41 19 13-0103 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	288.26	
For Horizontal Cores, Add	49.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	99.17	
02 41 19 13-0104 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	322.57	
For Horizontal Cores, Add	54.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	109.09	
02 41 19 13-0105 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	362.50	
For Horizontal Cores, Add	59.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	119.00	
02 41 19 13-0106 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0107 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	66.33	
For Horizontal Cores, Add	11.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.50	
02 41 19 13-0108 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	72.58	
For Horizontal Cores, Add	12.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.00	
02 41 19 13-0109 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	79.53	
For Horizontal Cores, Add	13.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.78	
02 41 19 13-0110 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	88.30	
For Horizontal Cores, Add	14.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.76	
02 41 19 13-0111 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	117.28	
For Horizontal Cores, Add	19.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.68	
02 41 19 13-0112 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	151.20	
For Horizontal Cores, Add	25.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.58	
02 41 19 13-0113 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	238.58	
For Horizontal Cores, Add	41.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.32	
02 41 19 13-0114 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	263.49	
For Horizontal Cores, Add	44.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.26	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0115 EA Drill 12" Diameter Core In >10" To 12" Concrete	306.29	
For Horizontal Cores, Add	51.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.17	
02 41 19 13-0116 >12" Thick Concrete Core Drilling (02 41 19 13-0063)		
02 41 19 13-0117 IN Drill 1" Diameter Core In >12" Concrete	7.72	
For Horizontal Cores, Add	1.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.75	
02 41 19 13-0118 IN Drill 1-1/2" Diameter Core In >12" Concrete	8.48	
For Horizontal Cores, Add	1.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.06	
02 41 19 13-0119 IN Drill 2" Diameter Core In >12" Concrete	9.33	
For Horizontal Cores, Add	1.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.40	
02 41 19 13-0120 IN Drill 3" Diameter Core In >12" Concrete	10.46	
For Horizontal Cores, Add	1.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.72	
02 41 19 13-0121 IN Drill 4" Diameter Core In >12" Concrete	13.90	
For Horizontal Cores, Add	2.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.96	
02 41 19 13-0122 IN Drill 6" Diameter Core In >12" Concrete	17.97	
For Horizontal Cores, Add	3.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.45	
02 41 19 13-0123 IN Drill 8" Diameter Core In >12" Concrete	28.58	
For Horizontal Cores, Add	5.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.42	
02 41 19 13-0124 IN Drill 10" Diameter Core In >12" Concrete	31.37	
For Horizontal Cores, Add	5.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.20	
02 41 19 13-0125 IN Drill 12" Diameter Core In >12" Concrete	36.29	
For Horizontal Cores, Add	6.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.90	
02 41 19 13-0126 Brick/Concrete Block Core Drilling (02 41 19 13-0062)		
02 41 19 13-0127 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0128 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	25.68	
For Horizontal Cores, Add	4.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.00	
02 41 19 13-0129 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	28.17	
For Horizontal Cores, Add	5.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.00	
02 41 19 13-0130 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	30.96	
For Horizontal Cores, Add	5.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.11	
02 41 19 13-0131 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	43.94	
For Horizontal Cores, Add	7.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.87	
02 41 19 13-0132 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	58.92	
For Horizontal Cores, Add	10.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.27	
02 41 19 13-0133 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	66.76	
For Horizontal Cores, Add	11.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.81	
02 41 19 13-0134 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	105.15	
For Horizontal Cores, Add	19.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.09	
02 41 19 13-0135 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	132.56	
For Horizontal Cores, Add	23.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.61	
02 41 19 13-0136 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	155.09	
For Horizontal Cores, Add	27.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	55.55	
02 41 19 13-0137 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	178.00	
For Horizontal Cores, Add	31.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.48	
02 41 19 13-0138 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	203.31	
For Horizontal Cores, Add	35.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.41	
02 41 19 13-0139 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0140 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	37.00	
For Horizontal Cores, Add	6.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.86	
02 41 19 13-0141 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	40.56	
For Horizontal Cores, Add	7.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.28	
02 41 19 13-0142 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	44.53	
For Horizontal Cores, Add	7.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0143 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	54.28	
<i>For Horizontal Cores, Add</i>	9.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.04	
02 41 19 13-0144 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	68.35	
<i>For Horizontal Cores, Add</i>	11.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.81	
02 41 19 13-0145 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	90.34	
<i>For Horizontal Cores, Add</i>	15.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.74	
02 41 19 13-0146 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	134.04	
<i>For Horizontal Cores, Add</i>	23.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.61	
02 41 19 13-0147 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	159.11	
<i>For Horizontal Cores, Add</i>	27.78	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.55	
02 41 19 13-0148 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	182.95	
<i>For Horizontal Cores, Add</i>	31.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	63.48	
02 41 19 13-0149 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	208.00	
<i>For Horizontal Cores, Add</i>	35.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.41	
02 41 19 13-0150 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	236.57	
<i>For Horizontal Cores, Add</i>	39.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	79.35	
02 41 19 13-0151 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0152 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	41.96	
<i>For Horizontal Cores, Add</i>	7.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.14	
02 41 19 13-0153 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	45.89	
<i>For Horizontal Cores, Add</i>	7.86	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.71	
02 41 19 13-0154 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	50.25	
<i>For Horizontal Cores, Add</i>	8.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.46	
02 41 19 13-0155 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	60.68	
<i>For Horizontal Cores, Add</i>	10.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.64	
02 41 19 13-0156 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	79.36	
<i>For Horizontal Cores, Add</i>	13.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.98	
02 41 19 13-0157 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	109.97	
<i>For Horizontal Cores, Add</i>	19.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.09	
02 41 19 13-0158 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	178.80	
<i>For Horizontal Cores, Add</i>	31.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	63.48	
02 41 19 13-0159 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	205.45	
<i>For Horizontal Cores, Add</i>	35.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.41	
02 41 19 13-0160 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	230.67	
<i>For Horizontal Cores, Add</i>	39.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	79.35	
02 41 19 13-0161 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	257.85	
<i>For Horizontal Cores, Add</i>	43.64	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	87.28	
02 41 19 13-0162 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	289.66	
<i>For Horizontal Cores, Add</i>	47.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	95.23	
02 41 19 13-0163 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0164 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	50.13	
<i>For Horizontal Cores, Add</i>	8.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.71	
02 41 19 13-0165 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	54.77	
<i>For Horizontal Cores, Add</i>	9.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.57	
02 41 19 13-0166 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	59.93	
<i>For Horizontal Cores, Add</i>	10.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.63	
02 41 19 13-0167 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	71.02	
<i>For Horizontal Cores, Add</i>	11.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.81	
02 41 19 13-0168 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	82.44	
<i>For Horizontal Cores, Add</i>	13.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.98	
02 41 19 13-0169 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	113.72	
<i>For Horizontal Cores, Add</i>	19.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.09	
02 41 19 13-0170 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	183.89	
<i>For Horizontal Cores, Add</i>	31.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	63.48	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0171 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	212.15	
For Horizontal Cores, Add	35.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.41	
02 41 19 13-0172 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	238.67	
For Horizontal Cores, Add	39.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	79.34	
02 41 19 13-0173 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	268.04	
For Horizontal Cores, Add	43.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.28	
02 41 19 13-0174 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	303.00	
For Horizontal Cores, Add	47.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.20	
02 41 19 13-0175 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0176 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	55.08	
For Horizontal Cores, Add	9.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.00	
02 41 19 13-0177 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	60.08	
For Horizontal Cores, Add	10.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.00	
02 41 19 13-0178 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	65.64	
For Horizontal Cores, Add	11.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.22	
02 41 19 13-0179 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	73.43	
For Horizontal Cores, Add	11.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.81	
02 41 19 13-0180 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	97.43	
For Horizontal Cores, Add	15.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.74	
02 41 19 13-0181 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	125.41	
For Horizontal Cores, Add	20.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.27	
02 41 19 13-0182 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	196.93	
For Horizontal Cores, Add	33.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.66	
02 41 19 13-0183 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	218.85	
For Horizontal Cores, Add	35.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.41	
02 41 19 13-0184 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	254.71	
For Horizontal Cores, Add	41.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	82.54	
02 41 19 13-0185 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0126)		
02 41 19 13-0186 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.34	
For Horizontal Cores, Add	1.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.20	
02 41 19 13-0187 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	6.95	
For Horizontal Cores, Add	1.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.44	
02 41 19 13-0188 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	7.63	
For Horizontal Cores, Add	1.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.72	
02 41 19 13-0189 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	8.60	
For Horizontal Cores, Add	1.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.98	
02 41 19 13-0190 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	11.42	
For Horizontal Cores, Add	1.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.96	
02 41 19 13-0191 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	14.76	
For Horizontal Cores, Add	2.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.16	
02 41 19 13-0192 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	23.37	
For Horizontal Cores, Add	4.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.34	
02 41 19 13-0193 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	25.77	
For Horizontal Cores, Add	4.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.96	
02 41 19 13-0194 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	29.84	
For Horizontal Cores, Add	5.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.32	
02 41 19 13-0195 Asphalt Core Drilling (02 41 19 13-0062)		
02 41 19 13-0196 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0195)		
02 41 19 13-0197 EA Drill 1" Diameter Core In Up To 2" Asphalt	14.18	
02 41 19 13-0198 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	17.78	
02 41 19 13-0199 EA Drill 2" Diameter Core In Up To 2" Asphalt	22.23	
02 41 19 13-0200 EA Drill 3" Diameter Core In Up To 2" Asphalt	27.66	
02 41 19 13-0201 EA Drill 4" Diameter Core In Up To 2" Asphalt	34.85	
02 41 19 13-0202 EA Drill 6" Diameter Core In Up To 2" Asphalt	43.80	
02 41 19 13-0203 EA Drill 8" Diameter Core In Up To 2" Asphalt	54.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0204 EA Drill 10" Diameter Core In Up To 2" Asphalt	67.99	
02 41 19 13-0205 EA Drill 12" Diameter Core In Up To 2" Asphalt	84.80	
02 41 19 13-0206 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0195)		
02 41 19 13-0207 EA Drill 1" Diameter Core In >2" To 3" Asphalt	17.72	
02 41 19 13-0208 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	23.01	
02 41 19 13-0209 EA Drill 2" Diameter Core In >2" To 3" Asphalt	28.30	
02 41 19 13-0210 EA Drill 3" Diameter Core In >2" To 3" Asphalt	35.49	
02 41 19 13-0211 EA Drill 4" Diameter Core In >2" To 3" Asphalt	44.46	
02 41 19 13-0212 EA Drill 6" Diameter Core In >2" To 3" Asphalt	56.03	
02 41 19 13-0213 EA Drill 8" Diameter Core In >2" To 3" Asphalt	69.69	
02 41 19 13-0214 EA Drill 10" Diameter Core In >2" To 3" Asphalt	87.24	
02 41 19 13-0215 EA Drill 12" Diameter Core In >2" To 3" Asphalt	108.43	
02 41 19 13-0216 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0195)		
02 41 19 13-0217 EA Drill 1" Diameter Core In >3" To 4" Asphalt	23.08	
02 41 19 13-0218 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	29.35	
02 41 19 13-0219 EA Drill 2" Diameter Core In >3" To 4" Asphalt	36.41	
02 41 19 13-0220 EA Drill 3" Diameter Core In >3" To 4" Asphalt	45.44	
02 41 19 13-0221 EA Drill 4" Diameter Core In >3" To 4" Asphalt	57.21	
02 41 19 13-0222 EA Drill 6" Diameter Core In >3" To 4" Asphalt	71.53	
02 41 19 13-0223 EA Drill 8" Diameter Core In >3" To 4" Asphalt	89.85	
02 41 19 13-0224 EA Drill 10" Diameter Core In >3" To 4" Asphalt	111.85	
02 41 19 13-0225 EA Drill 12" Diameter Core In >3" To 4" Asphalt	139.30	
02 41 19 13-0226 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0195)		
02 41 19 13-0227 EA Drill 1" Diameter Core In >4" To 6" Asphalt	30.39	
02 41 19 13-0228 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	37.66	
02 41 19 13-0229 EA Drill 2" Diameter Core In >4" To 6" Asphalt	46.56	
02 41 19 13-0230 EA Drill 3" Diameter Core In >4" To 6" Asphalt	59.38	
02 41 19 13-0231 EA Drill 4" Diameter Core In >4" To 6" Asphalt	74.03	
02 41 19 13-0232 EA Drill 6" Diameter Core In >4" To 6" Asphalt	92.08	
02 41 19 13-0233 EA Drill 8" Diameter Core In >4" To 6" Asphalt	116.16	
02 41 19 13-0234 EA Drill 10" Diameter Core In >4" To 6" Asphalt	144.47	
02 41 19 13-0235 EA Drill 12" Diameter Core In >4" To 6" Asphalt	180.18	
02 41 19 13-0236 Manhole Core Drilling (02 41 19 13-0062)		
02 41 19 13-0237 EA Drill 4" Diameter Core In 6" Brick Manhole	154.75	
02 41 19 13-0238 EA Drill 5" Diameter Core In 6" Brick Manhole	176.75	
02 41 19 13-0239 EA Drill 6" Diameter Core In 6" Brick Manhole	205.75	
02 41 19 13-0240 EA Drill 8" Diameter Core In 6" Brick Manhole	307.64	
02 41 19 13-0241 EA Drill 2" Diameter Core In 8" Concrete Manhole	206.11	
02 41 19 13-0242 EA Drill 3" Diameter Core In 8" Concrete Manhole	221.32	
02 41 19 13-0243 EA Drill 4" Diameter Core In 8" Concrete Manhole	245.36	
02 41 19 13-0244 EA Drill 5" Diameter Core In 8" Concrete Manhole	263.75	
02 41 19 13-0245 EA Drill 6" Diameter Core In 8" Concrete Manhole	311.86	
02 41 19 13-0246 EA Drill 8" Diameter Core In 8" Concrete Manhole	444.55	
02 41 19 13-0247 EA Drill 2" Diameter Core In Fiberglass Manhole	19.96	
02 41 19 13-0248 EA Drill 3" Diameter Core In Fiberglass Manhole	23.08	
02 41 19 13-0249 EA Drill 4" Diameter Core In Fiberglass Manhole	25.04	
02 41 19 13-0250 EA Drill 5" Diameter Core In Fiberglass Manhole	27.33	
02 41 19 13-0251 EA Drill 6" Diameter Core In Fiberglass Manhole	30.06	
02 41 19 13-0252 EA Drill 8" Diameter Core In Fiberglass Manhole	33.45	
02 41 19 13-0253 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0062)		
Note: Includes layout.		
02 41 19 13-0254 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.76	
02 41 19 13-0255 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.84	
02 41 19 13-0256 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	1.97	
02 41 19 13-0257 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.11	
02 41 19 13-0258 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.31	
02 41 19 13-0259 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.50	
02 41 19 13-0260 IN 1" Diameter Drilling In Concrete Per Inch Of Depth	2.64	
02 41 19 13-0261 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.90	
02 41 19 13-0262 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.29	
02 41 19 13-0263 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0062)		
Note: Includes layout.		
02 41 19 13-0264 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.47	
02 41 19 13-0265 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.54	
02 41 19 13-0266 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.66	
02 41 19 13-0267 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.77	
02 41 19 13-0268 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.93	
02 41 19 13-0269 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 41 19 13-0270	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.21	
	02 41 19 13-0271	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.44	
	02 41 19 13-0272	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.76	
02 41 19 13-0273	Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0062)				
	Note: Includes layout.				
	02 41 19 13-0274	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.72	
	02 41 19 13-0275	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.76	
	02 41 19 13-0276	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.81	
	02 41 19 13-0277	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.86	
	02 41 19 13-0278	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.94	
	02 41 19 13-0279	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.03	
	02 41 19 13-0280	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.08	
	02 41 19 13-0281	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.19	
	02 41 19 13-0282	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.35	
02 41 19 13-0283	Limestone Core Drilling (02 41 19 13-0062)				
02 41 19 13-0284	10" To 14" Thick Limestone Core Drilling (02 41 19 13-0283)				
	02 41 19 13-0285	EA	Drill 1" Diameter Core In 10" To 14" Limestone	46.61	
	02 41 19 13-0286	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	56.36	
	02 41 19 13-0287	EA	Drill 2" Diameter Core In 10" To 14" Limestone	61.85	
	02 41 19 13-0288	EA	Drill 3" Diameter Core In 10" To 14" Limestone	72.87	
	02 41 19 13-0289	EA	Drill 4" Diameter Core In 10" To 14" Limestone	84.14	
	02 41 19 13-0290	EA	Drill 6" Diameter Core In 10" To 14" Limestone	116.66	
	02 41 19 13-0291	EA	Drill 8" Diameter Core In 10" To 14" Limestone	189.93	
02 41 19 13-0292	15" To 18" Thick Limestone Core Drilling (02 41 19 13-0283)				
	02 41 19 13-0293	EA	Drill 1" Diameter Core In 15" To 18" Limestone	51.72	
	02 41 19 13-0294	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	61.72	
	02 41 19 13-0295	EA	Drill 2" Diameter Core In 15" To 18" Limestone	67.49	
	02 41 19 13-0296	EA	Drill 3" Diameter Core In 15" To 18" Limestone	74.80	
	02 41 19 13-0297	EA	Drill 4" Diameter Core In 15" To 18" Limestone	99.35	
	02 41 19 13-0298	EA	Drill 6" Diameter Core In 15" To 18" Limestone	128.15	
	02 41 19 13-0299	EA	Drill 8" Diameter Core In 15" To 18" Limestone	202.57	
02 41 19 13-0300	19" To 24" Thick Limestone Core Drilling (02 41 19 13-0283)				
	02 41 19 13-0301	EA	Drill 1" Diameter Core In 19" To 24" Limestone	56.71	
	02 41 19 13-0302	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	66.95	
	02 41 19 13-0303	EA	Drill 2" Diameter Core In 19" To 24" Limestone	72.95	
	02 41 19 13-0304	EA	Drill 3" Diameter Core In 19" To 24" Limestone	84.94	
	02 41 19 13-0305	EA	Drill 4" Diameter Core In 19" To 24" Limestone	118.50	
	02 41 19 13-0306	EA	Drill 6" Diameter Core In 19" To 24" Limestone	147.81	
	02 41 19 13-0307	EA	Drill 8" Diameter Core In 19" To 24" Limestone	219.06	
02 41 19 13-0308	Minimum Charge For Core Drilling (02 41 19 13-0062)				
	02 41 19 13-0309	EA	Core Drill Minimum Charge	457.16	
	Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".				
02 41 19 13-0310	Cutouts (02 41 19 13)				
	Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.				
02 41 19 13-0311	Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0310)				
	02 41 19 13-0312	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	37.58	
	02 41 19 13-0313	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	39.85	
	02 41 19 13-0314	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	42.13	
	02 41 19 13-0315	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	44.41	
	02 41 19 13-0316	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.54	
02 41 19 13-0317	Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0310)				
	Note: Includes cutting and removing steel decking.				
	02 41 19 13-0318	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	45.80	
	02 41 19 13-0319	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	48.57	
	02 41 19 13-0320	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	51.34	
	02 41 19 13-0321	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	54.13	
	02 41 19 13-0322	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.51	
02 41 19 13-0323	Reinforced Concrete Wall Cutouts (02 41 19 13-0310)				
	02 41 19 13-0324	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	46.97	
	02 41 19 13-0325	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	49.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0326 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	52.66	
02 41 19 13-0327 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	55.51	
02 41 19 13-0328 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	56.94	
02 41 19 13-0329 Brick Wall Cutouts (02 41 19 13-0310) Note: Excludes tothing.		
02 41 19 13-0330 SF 4" Thick Brick Wall Cutouts, <24 SF	14.23	
02 41 19 13-0331 SF 6" Thick Brick Wall Cutouts, <24 SF	23.49	
02 41 19 13-0332 SF 8" Thick Brick Wall Cutouts, <24 SF	32.70	
02 41 19 13-0333 SF 10" Thick Brick Wall Cutouts, <24 SF	39.85	
02 41 19 13-0334 SF 12" Thick Brick Wall Cutouts, <24 SF	47.68	
02 41 19 13-0335 SF 16" Thick Brick Wall Cutouts, <24 SF	56.22	
02 41 19 13-0336 Concrete Block Wall Cutouts (02 41 19 13-0310) Note: Excludes tothing.		
02 41 19 13-0337 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	23.54	
02 41 19 13-0338 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	24.94	
02 41 19 13-0339 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	26.33	
02 41 19 13-0340 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	27.76	
02 41 19 13-0341 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	28.47	
02 41 19 13-0342 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	29.89	
02 41 19 13-0343 Limestone Cutouts (02 41 19 13-0310)		
02 41 19 13-0344 SF 2" Thick Limestone Cutouts, <24 SF	39.85	
02 41 19 13-0345 SF 4" Thick Limestone Cutouts, <24 SF	48.39	
02 41 19 13-0346 SF 6" Thick Limestone Cutouts, <24 SF	51.25	
02 41 19 13-0347 SF 8" Thick Limestone Cutouts, <24 SF	54.09	
02 41 19 13-0348 SF 10" Thick Limestone Cutouts, <24 SF	56.94	
02 41 19 13-0349 SF 12" Thick Limestone Cutouts, <24 SF	59.78	
02 41 19 13-0350 Tothing Masonry Cutouts (02 41 19 13-0310) Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0351 VLF Brick, Soft Old Mortar, Tothing Masonry Cutouts	14.23	
02 41 19 13-0352 VLF Brick, Hard Mortar, Tothing Masonry Cutouts	19.21	
02 41 19 13-0353 VLF Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts	8.54	
02 41 19 13-0354 VLF Concrete Block, Hard Mortar, Tothing Masonry Cutouts	11.38	
02 41 19 13-0355 Minimum Charge For Cutouts (02 41 19 13-0310) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0356 EA Cutouts Minimum Charge	284.67	
02 43 Structure Moving (02 40)		
02 43 13 Structure Relocation (02 43) Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.		
02 43 13 00-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13) Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building	26.91	
02 43 13 00-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building	25.44	
02 43 13 00-0004 SF >920 SF, Move Relocatable Metal Frame Building	23.80	
02 43 13 00-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building	21.58	
02 43 13 00-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building	20.18	
02 43 13 00-0007 SF >920 SF, Move Relocatable Wood Frame Building	17.85	
02 43 13 00-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.14	
02 43 13 00-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	23.80	
02 43 13 00-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building	20.18	
02 60 Contaminated Site Material Removal (02)		
02 61 Removal And Disposal Of Contaminated Soils (02 60)		
02 61 13 Excavation And Handling Of Contaminated Material (02 61) See CSI section 31 23 16 00-0000 for excavation.		
02 61 13 00-0001 Excavation Of Contaminated Soil (02 61 13) See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil <small>(02 61 13 00-0001)</small>		
02 61 13 00-0003 CY Excavate Non Petroleum Contaminated Soil.....	6.35	
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0004 Excavate Contaminated Soil <small>(02 61 13)</small>		
02 61 13 00-0005 CY Excavate Contaminated Soil.....	9.53	
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0006 CY Load Excavated Contaminated Soil.....	5.46	
02 61 13 00-0007 CY Disposal Fees Of Contaminated Soil.....	44.32	
02 61 13 00-0008 Accessories For Contaminated Soil Stockpile <small>(02 61 13)</small>		
See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0009 SF 30 Mil Base Liner.....	0.85	
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		
02 61 13 00-0010 SF 10 Mil Base Liner.....	0.61	
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		
02 65 Underground Storage Tank Removal <small>(02 60)</small>		
Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0050 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis <small>(02 65)</small>		
02 65 00 00-0002 Field Samples For Testing <small>(02 65 00 00-0001)</small>		
02 65 00 00-0003 EA Collection Of Sludge Sample.....	15.48	
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample.....	15.48	
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample.....	15.48	
02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal <small>(02 65 00 00-0001)</small>		
Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007 EA Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020.....	97.76	
Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.		
02 65 00 00-0008 EA Lab Test - Flashpoint.....	38.02	
Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.		
02 65 00 00-0009 EA Lab Test - TOX 9020.....	91.46	
Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.		
02 65 00 00-0010 EA Lab Test - TPH 8015 Modified.....	97.76	
Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.		
02 65 00 00-0011 EA Lab Test - TRPH 418.1.....	76.03	
Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.		
02 65 00 00-0012 EA Lab Test - VOC.....	206.38	
Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.		
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic.....	380.17	
Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.		
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1.....	45.73	
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.		
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals.....	81.46	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic.....	108.62	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA.....	121.65	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060.....	16.29	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740.....	16.29	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421.....	16.29	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470.....	30.41	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100.....	173.79	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78.....	62.88	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA Lab Test - pH.....	13.03	
02 65 00 00-0025 EA Lab Test - PCB.....	162.93	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE).....	97.76	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0027 Tests, Surveys And Maintenance <small>(02 65 00 00-0001)</small>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	664.63	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems	109.40	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes	25.60	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	183.65	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Replace Anode On Impressed System.....	68.67	
02 65 00 00-0033 EA Replace Power Converter On Impressed System	99.84	
02 65 00 00-0034 EA Replace Monitor Probes	149.60	
02 65 00 00-0035 EA Ultrasonic Test.....	65.00	
02 65 00 00-0036 Tests And Sampling Labor Hours <small>(02 65 00 00-0001)</small>		
02 65 00 00-0037 HR Certified Tank Installer.....	74.27	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	74.27	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA.....	66.12	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents <small>(02 65)</small>		
02 65 00 00-0041 Transfer Liquid <small>(02 65 00 00-0040)</small>		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank.....	0.51	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material <small>(02 65 00 00-0040)</small>		
02 65 00 00-0044 GAL Remove and Dispose of Hazardous Liquids From Tank.....	1.02	
02 65 00 00-0045 GAL Remove And Dispose Of Non Hazardous Liquid From Tank.....	0.74	
02 65 00 00-0046 Sludge <small>(02 65 00 00-0040)</small>		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Remove And Dispose Of Hazardous Solids Or Sludge From Tank.....	4.62	
02 65 00 00-0048 GAL Remove And Dispose Of Non Hazardous Solids Or Sludge From Tank	1.01	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank <small>(02 65)</small>		
02 65 00 00-0050 Purge Vapors <small>(02 65 00 00-0049)</small>		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	2.31	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior <small>(02 65 00 00-0049)</small>		
02 65 00 00-0053 EA Up To 500 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	244.12	
02 65 00 00-0054 EA >500 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	427.20	
02 65 00 00-0055 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	610.28	
02 65 00 00-0056 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	854.39	
02 65 00 00-0057 EA >5,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,279.03	
02 65 00 00-0058 EA >10,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,924.31	
02 65 00 00-0059 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,573.47	
02 65 00 00-0060 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,188.03	
02 65 00 00-0061 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,271.96	
02 65 00 00-0062 Scrape Clean Tank Exterior <small>(02 65 00 00-0049)</small>		
02 65 00 00-0063 EA Up To 500 Gallon Tank, Scrape Clean Tank Exterior.....	214.65	
02 65 00 00-0064 EA >500 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	357.74	
02 65 00 00-0065 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	500.84	
02 65 00 00-0066 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	715.49	
02 65 00 00-0067 EA >5,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,430.97	
02 65 00 00-0068 EA >10,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	2,861.95	
02 65 00 00-0069 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	3,577.43	
02 65 00 00-0070 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	4,646.02	
02 65 00 00-0071 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	6,388.26	
02 65 00 00-0072 Tank And Piping Removal <small>(02 65)</small>		
Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		

02 Existing Conditions**02 60 Contaminated Site Material Removal**

02 65 Underground Storage Tank Removal



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0073	Removal And Disposal Of Piping (02 65 00 00-0073)	
	Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0074 LF	Up To 4", Removal And Disposal Of Piping.....	13.27
02 65 00 00-0075 LF	>4" To 8", Removal And Disposal Of Piping.....	17.71
02 65 00 00-0076	Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0076)	
	Note: Excludes excavation or backfill.	
02 65 00 00-0077 EA	Up To 500 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	449.02
02 65 00 00-0078 EA	>500 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	748.37
02 65 00 00-0079 EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,047.72
02 65 00 00-0080 EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,496.74
02 65 00 00-0081 EA	>5,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,095.44
02 65 00 00-0082 EA	>10,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,619.30
02 65 00 00-0083 EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,143.15
02 65 00 00-0084 EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,741.85
02 65 00 00-0085 EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,190.87
02 65 00 00-0086	Cut Tank Into Sections That Can Easily Be Transported And Disposed Of (02 65 00 00-0086)	
	Note: When necessary. Includes 1 lengthwise at every 4' O.C. height wise.	
02 65 00 00-0087 EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	427.30
02 65 00 00-0088 EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	854.60
02 65 00 00-0089 EA	>5,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,283.19
02 65 00 00-0090 EA	>10,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,709.20
02 65 00 00-0091 EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,136.49
02 65 00 00-0092 EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,558.68
02 65 00 00-0093 EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,418.39
02 65 00 00-0094	Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0094)	
	Note: Includes disposal fee.	
02 65 00 00-0095 EA	Up To 500 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	174.05
	For Each Additional Mile >15 Miles, Add	4.35
02 65 00 00-0096 EA	>500 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	232.06
	For Each Additional Mile >15 Miles, Add	5.80
02 65 00 00-0097 EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	666.36
	For Each Additional Mile >15 Miles, Add	7.74
02 65 00 00-0098 EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,094.72
	For Each Additional Mile >15 Miles, Add	11.60
02 65 00 00-0099 EA	>5,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,594.47
	For Each Additional Mile >15 Miles, Add	15.47
02 65 00 00-0100 EA	>10,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,296.49
	For Each Additional Mile >15 Miles, Add	19.34
02 65 00 00-0101 EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,894.42
	For Each Additional Mile >15 Miles, Add	24.17
02 65 00 00-0102 EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,212.18
	For Each Additional Mile >15 Miles, Add	30.94
02 65 00 00-0103 EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,235.48
	For Each Additional Mile >15 Miles, Add	38.68
02 65 00 00-0104	Other Storage Tank Removals (02 65 00 00-0104)	
02 65 00 00-0105 GAL	Remove Cement Lining	0.41
02 65 00 00-0106 GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.15
02 65 00 00-0107 GAL	Install Epoxy For Interior Corrosion Protection	0.86
02 65 00 00-0108	Tank Closure Report (02 65 00 00-0108)	
	Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.	
02 65 00 00-0109 EA	Prepare Tank Closure Report.....	1,661.59
02 65 00 00-0110	Temporary Tanks (02 65)	
02 65 00 00-0111	Temporary Holding Tanks (02 65 00 00-0111)	
02 65 00 00-0112	Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0112)	
02 65 00 00-0113 MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	452.00
02 65 00 00-0114 MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	452.00
02 65 00 00-0115 MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	903.99
02 65 00 00-0116 MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	678.00
02 65 00 00-0117 MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,581.99
02 65 00 00-0118 MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,129.99
02 65 00 00-0119 MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,649.50
02 65 00 00-0120 MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,976.78
02 65 00 00-0121 MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,338.27



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0122	Secondary Containment Berm <small>(02 65 00 00-0110)</small>	
02 65 00 00-0123	MO Secondary Containment Berm Monthly Rental	979.33

02 80 Facility Remediation (02)

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

02 81 00 00-0001	Hazardous Material Disposal <small>(02 81)</small>	
02 81 00 00-0002	GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container <small>Note: Includes handling of container and disposal at approved site.</small>	8.06
02 81 00 00-0003	CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site <small>Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.</small>	54.43
02 81 00 00-0004	EA Regra (Direct Landfill) Drums <small>Note: Excludes stabilization. See CSI section 02 81 00 00-0005 for Stabilization (>5 ppm).</small>	239.64
02 81 00 00-0005	EA Stabilization (>5 ppm)	319.33
02 81 00 00-0006	CY Bulk Hazardous Material Landfill Cost (<1800 LB)	100.72
02 81 00 00-0007	TON Bulk Hazardous Material Landfill Cost (>1800 LB)	252.70

02 82 Asbestos Remediation (02 80)

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

02 82 00 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal <small>(02 82)</small>	
02 82 00 00-0002	Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0001)</small> <small>Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.</small>	
02 82 00 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0002)</small> <small>See CSI section 02 82 00 00-0017 for projects with less than 10 LF.</small>	
02 82 00 00-0004	EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	500.74
	<i>For Work In Restricted Working Space, Add</i>	150.22
02 82 00 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.61
	<i>For Work In Restricted Working Space, Add</i>	7.68
02 82 00 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.21
	<i>For Work In Restricted Working Space, Add</i>	5.76
02 82 00 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.41
	<i>For Work In Restricted Working Space, Add</i>	4.32
02 82 00 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.81
	<i>For Work In Restricted Working Space, Add</i>	3.24
02 82 00 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	9.39
	<i>For Work In Restricted Working Space, Add</i>	2.82
02 82 00 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0002)</small> <small>See CSI section 02 82 00 00-0017 for projects with less than 10 LF.</small>	
02 82 00 00-0011	EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	500.74
	<i>For Work In Restricted Working Space, Add</i>	150.22
02 82 00 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.45
	<i>For Work In Restricted Working Space, Add</i>	8.84
02 82 00 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.08
	<i>For Work In Restricted Working Space, Add</i>	6.62
02 82 00 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.56
	<i>For Work In Restricted Working Space, Add</i>	4.97
02 82 00 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.41
	<i>For Work In Restricted Working Space, Add</i>	3.72
02 82 00 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.81
	<i>For Work In Restricted Working Space, Add</i>	3.24
02 82 00 00-0017	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0002)</small> <small>Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.</small>	
02 82 00 00-0018	EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	543.96
	<i>For Work In Restricted Working Space, Add</i>	163.19
02 82 00 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation	80.59
	<i>For Work In Restricted Working Space, Add</i>	24.18
02 82 00 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation	31.28
	<i>For Work In Restricted Working Space, Add</i>	9.38

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0021	LF		>250 To 500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	23.46 7.04	
02 82 00 00-0022	LF		>500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	17.59 5.28	
02 82 00 00-0023			Thermal Insulation, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0024			Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 00 00-0023) Note: e.g., duct, boiler, tank, etc.		
02 82 00 00-0025	EA		Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0026	SF		>10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.61	
02 82 00 00-0027	SF		>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	20.16	
02 82 00 00-0028	SF		>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.13	
02 82 00 00-0029	SF		>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	11.34	
02 82 00 00-0030			Surfacing Material, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0031			Fireproofing, Asbestos Abatement And Disposal (02 82 00 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 00 00-0032	EA		Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0033	SF		>10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	30.72	
02 82 00 00-0034	SF		>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.04	
02 82 00 00-0035	SF		>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.28	
02 82 00 00-0036	SF		>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	12.96	
02 82 00 00-0037			Acoustical Plaster, Asbestos Abatement And Disposal (02 82 00 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 00 00-0038	EA		Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0039	SF		>10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.83	
02 82 00 00-0040	SF		>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.70	
02 82 00 00-0041	SF		>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.19	
02 82 00 00-0042	SF		>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	5.32	
02 82 00 00-0043			Plywood, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0044	EA		Up To 10 SF, Plywood, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0045	SF		>10 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	10.64	
02 82 00 00-0046	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	5.12	
02 82 00 00-0047	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.45	
02 82 00 00-0048	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.94	
02 82 00 00-0049			Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0050			Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 00 00-0049)		
02 82 00 00-0051	EA		Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0052	SF		>10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.45	
02 82 00 00-0053	SF		>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.27	
02 82 00 00-0054	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.82	
02 82 00 00-0055	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.59	
02 82 00 00-0056			Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 00 00-0049)		
02 82 00 00-0057	EA		Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	500.74	
02 82 00 00-0058	LF		>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.61	
02 82 00 00-0059	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.21	
02 82 00 00-0060	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.41	
02 82 00 00-0061	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	10.81	
02 82 00 00-0062	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	8.10	
02 82 00 00-0063	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.91	
02 82 00 00-0064			Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 00 00-0049)		
02 82 00 00-0065	EA		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	500.74	
			Note: Single or first of multiple layers.		
02 82 00 00-0066	SF		>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.00	
			Note: Single or first of multiple layers.		
02 82 00 00-0067	SF		>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.20	
			Note: Single or first of multiple layers.		
02 82 00 00-0068	SF		>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.56	
			Note: Single or first of multiple layers.		
02 82 00 00-0069	SF		>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.92	
			Note: Single or first of multiple layers.		
02 82 00 00-0070	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1.44	
			Note: Single or first of multiple layers.		



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0071 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0072 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 00 00-0071)		
02 82 00 00-0073 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	500.74	
For Work In Restricted Working Space, Add	150.22	
02 82 00 00-0074 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	49.79	
For Work In Restricted Working Space, Add	14.94	
02 82 00 00-0075 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	33.19	
For Work In Restricted Working Space, Add	9.96	
02 82 00 00-0076 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	24.93	
For Work In Restricted Working Space, Add	7.48	
02 82 00 00-0077 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	19.92	
For Work In Restricted Working Space, Add	5.98	
02 82 00 00-0078 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	16.93	
For Work In Restricted Working Space, Add	5.08	
02 82 00 00-0079 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	15.23	
For Work In Restricted Working Space, Add	4.57	
02 82 00 00-0080 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 00 00-0071)		
02 82 00 00-0081 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	719.82	
For Work In Restricted Working Space, Add	215.95	
02 82 00 00-0082 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	49.79	
For Work In Restricted Working Space, Add	14.94	
02 82 00 00-0083 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	33.19	
For Work In Restricted Working Space, Add	9.96	
02 82 00 00-0084 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	24.93	
02 82 00 00-0085 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	19.92	
For Work In Restricted Working Space, Add	5.98	
02 82 00 00-0086 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	16.93	
For Work In Restricted Working Space, Add	5.08	
02 82 00 00-0087 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	15.23	
For Work In Restricted Working Space, Add	4.57	
02 82 00 00-0088 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0089 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 00 00-0088)		
02 82 00 00-0090 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	100.14	
02 82 00 00-0091 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	38.41	
02 82 00 00-0092 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	25.61	
02 82 00 00-0093 Grout, Asbestos Abatement And Disposal (02 82 00 00-0088)		
Note: e.g. flue grout.		
02 82 00 00-0094 EA Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	187.78	
02 82 00 00-0095 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal	9.86	
02 82 00 00-0096 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.79	
02 82 00 00-0097 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.81	
02 82 00 00-0098 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.00	
02 82 00 00-0099 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.30	
02 82 00 00-0100 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.69	
02 82 00 00-0101 Gaskets, Asbestos Abatement And Disposal (02 82 00 00-0088)		
Note: e.g. rope, web cloth, flat.		
02 82 00 00-0102 EA Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	187.78	
02 82 00 00-0103 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.28	
02 82 00 00-0104 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	9.96	
02 82 00 00-0105 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.48	
02 82 00 00-0106 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.63	
02 82 00 00-0107 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.86	
02 82 00 00-0108 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.53	
02 82 00 00-0109 Caulking, Asbestos Abatement And Disposal (02 82 00 00-0088)		
02 82 00 00-0110 Caulking, Asbestos Abatement And Disposal (02 82 00 00-0109)		
02 82 00 00-0111 EA Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	187.78	
02 82 00 00-0112 LF >10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.70	
02 82 00 00-0113 LF >50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.60	
02 82 00 00-0114 LF >100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	1.94	
02 82 00 00-0115 LF >250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	1.46	
02 82 00 00-0116 LF >1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	1.15	
02 82 00 00-0117 LF >2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	1.00	
02 82 00 00-0118 Asbestos Encapsulation (Lock-Down) (02 82)		
02 82 00 00-0119 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.06	

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

02 82 00 00-0120	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.52
02 82 00 00-0121	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.45
02 82 00 00-0122	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	1.65
02 82 00 00-0123	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	4.63
02 82 00 00-0124	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.16

02 82 00 00-0125 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82)

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

02 82 00 00-0126	HR	Bulk Sampling Or Air Monitoring, Asbestos Testing.....	60.44
02 82 00 00-0127	EA	(Bulk) PCM Test, Asbestos Testing	7.79
02 82 00 00-0128	EA	(Bulk) PCM Test, 24 Hour Turnaround, Asbestos Testing	9.73
02 82 00 00-0129	EA	(Bulk) PCM Test, Rush Turnaround, Asbestos Testing	11.68
02 82 00 00-0130	EA	(Bulk Point Counting) PLM Test, Asbestos Testing	15.57
02 82 00 00-0131	EA	(Bulk Point Counting) PLM Test, 24 Hour Turnaround, Asbestos Testing	19.46
02 82 00 00-0132	EA	(Bulk Point Counting) PLM Test, Rush Turnaround, Asbestos Testing.....	23.36
02 82 00 00-0133	EA	(Bulk) TEM Test, Asbestos Testing.....	46.71
02 82 00 00-0134	EA	(Bulk) TEM Test, 24 Hour Turnaround, Asbestos Testing	50.60
02 82 00 00-0135	EA	(Air) PCM Test, Asbestos Testing.....	8.17
02 82 00 00-0136	EA	(Air) PCM Test, 24 Hour Turnaround, Asbestos Testing.....	8.75
02 82 00 00-0137	EA	(Air) PCM Test, Rush Turnaround, Asbestos Testing	9.34
02 82 00 00-0138	EA	(Air) TEM Test, Asbestos Testing	46.71
02 82 00 00-0139	EA	(Air) TEM Test, 24 Hour Turnaround, Asbestos Testing	50.60
02 82 00 00-0140	EA	(Air) TEM Test, Rush Turnaround, Asbestos Testing	62.28

02 83 Lead Remediation (02 80)

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

02 83 19 Lead-Based Paint Remediation (02 83)**02 83 19 13 Lead-Based Paint Abatement (02 83 19)****02 83 19 13-0001****Sampling And Testing (02 83 19 13)**

Note: Includes taking sample, delivery to lab and lab fee.

02 83 19 13-0002	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	35.10
02 83 19 13-0003	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	33.60
02 83 19 13-0004	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	50.91
02 83 19 13-0005	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	71.27
02 83 19 13-0006	EA	Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	13.24
02 83 19 13-0007	EA	Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee	20.36
02 83 19 13-0008	EA	Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	25.46
02 83 19 13-0009	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	33.60
02 83 19 13-0010	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	50.91
02 83 19 13-0011	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.60
02 83 19 13-0012	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	7.64
02 83 19 13-0013	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	11.20
02 83 19 13-0014	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.60
02 83 19 13-0015	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee.....	7.64
02 83 19 13-0016	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee.....	11.20
02 83 19 13-0017	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	20.36
02 83 19 13-0018	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee.....	30.55
02 83 19 13-0019	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee.....	40.73
02 83 19 13-0020	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	21.06
02 83 19 13-0021	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee.....	42.12
02 83 19 13-0022	EA	Sample Pickup, Per Trip	30.55

02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

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

02 83 19 13-0024	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	24.16
02 83 19 13-0025	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	36.10
02 83 19 13-0026	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material.....	21.68
02 83 19 13-0027	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material	5.42
02 83 19 13-0028	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	25.89
02 83 19 13-0029	SF	Grilles, Simple, Chemical Stripping Of Lead Contaminated Material.....	21.63
02 83 19 13-0030	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	16.37
02 83 19 13-0031	LF	Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.30
02 83 19 13-0032	LF	>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	13.10
02 83 19 13-0033	LF	>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	18.05
02 83 19 13-0034	LF	>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	32.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0035 SF >16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	9.79	
02 83 19 13-0036 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	196.24	
02 83 19 13-0037 SF Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.24	
02 83 19 13-0038 SF Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.26	
02 83 19 13-0039 SF Metal Stair, Chemical Stripping Of Lead Contaminated Material	39.14	
02 83 19 13-0040 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	19.67	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0041 LF Ornate Railings, Chemical Stripping Of Lead Contaminated Material	6.61	
02 83 19 13-0042 Demolition Of Lead Contaminated Material (02 83 19 13)		
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0043 SF Lead Paint On Brick Or Concrete Block, Demolition Of Lead Contaminated Material	4.48	
02 83 19 13-0044 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.45	
02 83 19 13-0045 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.60	
02 83 19 13-0046 SF Balustrades And Railings, Demolition Of Lead Contaminated Material	5.09	
02 83 19 13-0047 SF Brick, Demolition Of Lead Contaminated Material	3.07	
02 83 19 13-0048 SF Concrete Block, Demolition Of Lead Contaminated Material	3.95	
02 83 19 13-0049 SF Concrete, Demolition Of Lead Contaminated Material	10.13	
02 83 19 13-0050 LF Cabinets, Demolition Of Lead Contaminated Material	23.59	
02 83 19 13-0051 SF Fence, Picket, Demolition Of Lead Contaminated Material	1.93	
02 83 19 13-0052 SF Grilles, Demolition Of Lead Contaminated Material	2.84	
02 83 19 13-0053 EA Up To 6" Diameter Hangers, Demolition Of Lead Contaminated Material	12.26	
02 83 19 13-0054 LF Up To 2" Diameter Pipes, Demolition Of Lead Contaminated Material	5.03	
02 83 19 13-0055 LF >2" To 4" Diameter Pipes, Demolition Of Lead Contaminated Material	7.34	
02 83 19 13-0056 LF >4" To 8" Diameter Pipes, Demolition Of Lead Contaminated Material	11.09	
02 83 19 13-0057 LF >8" To 12" Diameter Pipes, Demolition Of Lead Contaminated Material	20.45	
02 83 19 13-0058 EA Radiators, Demolition Of Lead Contaminated Material	88.34	
02 83 19 13-0059 SF Siding, Demolition Of Lead Contaminated Material	1.36	
02 83 19 13-0060 SF Steel, Flat Surfaces And Tanks Up To 12', Demolition Of Lead Contaminated Material	3.19	
02 83 19 13-0061 SF Steel Beams, Demolition Of Lead Contaminated Material	3.75	
02 83 19 13-0062 SF Trusses, Demolition Of Lead Contaminated Material	4.92	
02 83 19 13-0063 SF Metal Stair, Demolition Of Lead Contaminated Material	5.85	
02 83 19 13-0064 LF Metal Railing And Posts, Demolition Of Lead Contaminated Material	7.02	
02 83 19 13-0065 SF Plywood, Demolition Of Lead Contaminated Material	5.28	
02 83 19 13-0066 SF Planks (Various Sizes), Demolition Of Lead Contaminated Material	2.58	
02 83 19 13-0067 EA Metal Brackets Or Other Small Metal Shapes, Demolition Of Lead Contaminated Material	16.12	
02 83 19 13-0068 LF Metal Hand Rails, Demolition Of Lead Contaminated Material	4.30	
02 83 19 13-0069 LF Metal Guard Rails, Demolition Of Lead Contaminated Material	9.67	
02 83 19 13-0070 Wet Sanding Of Lead Contaminated Material (02 83 19 13)		
02 83 19 13-0071 SF Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.39	
02 83 19 13-0072 Lead Abatement Encapsulation (02 83 19 13)		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0073 SF Balustrades, Lead Abatement Encapsulation	4.43	
02 83 19 13-0074 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	2.84	
02 83 19 13-0075 SF Columns, Lead Abatement Encapsulation	3.44	
02 83 19 13-0076 SF Picket Fence (Brush), Lead Abatement Encapsulation	2.04	
02 83 19 13-0077 SF Wood Floors (Roller), Lead Abatement Encapsulation	1.70	
02 83 19 13-0078 SF Grilles, Vents, Lead Abatement Encapsulation	4.78	
02 83 19 13-0079 EA Hangers, Lead Abatement Encapsulation	37.90	
02 83 19 13-0080 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.69	
02 83 19 13-0081 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.87	
02 83 19 13-0082 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.99	
02 83 19 13-0083 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.84	
02 83 19 13-0084 SF Siding, Lead Abatement Encapsulation	2.44	
02 83 19 13-0085 SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	2.84	
02 83 19 13-0086 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation	3.72	
02 83 19 13-0087 SF Trusses, Lead Abatement Encapsulation	3.72	
02 83 33 Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent	0.21	
02 83 33 13-0003 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate	0.25	
02 83 33 13-0004 SF HEPA Vacuum And Shampoo Lead Contaminated Carpeting	1.02	

02 85 Mold Remediation (02 80)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is

02 Existing Conditions**02 80 Facility Remediation****02 85 Mold Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

to be used in determining which task applies. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 85 00 00-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 85)	
	Note: Treat fittings as additional lf of insulation.	
02 85 00 00-0002	Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0001)	
	Note: Diameter is outer size of insulation.	
02 85 00 00-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0002)	
	Note: Excludes encased fittings.	
02 85 00 00-0004	LF Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	25.94
02 85 00 00-0005	LF >25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.36
02 85 00 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.53
02 85 00 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.89
02 85 00 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.17
02 85 00 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.11
02 85 00 00-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0002)	
02 85 00 00-0011	LF Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	29.83
02 85 00 00-0012	LF >25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	22.27
02 85 00 00-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	16.70
02 85 00 00-0014	LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.52
02 85 00 00-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.39
02 85 00 00-0016	LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.17
02 85 00 00-0017	Thermal Insulation, Mold Abatement And Disposal (02 85)	
02 85 00 00-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 85 00 00-0017)	
02 85 00 00-0019	SF Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	15.65
02 85 00 00-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	11.13
02 85 00 00-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	8.35
02 85 00 00-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal.....	6.26
02 85 00 00-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	4.79
02 85 00 00-0024	Surfacing Material, Mold Abatement And Disposal (02 85)	
	Note: e.g. fireproofing, acoustical plaster, etc.	
02 85 00 00-0025	Stucco, Mold Abatement And Disposal (02 85 00 00-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 85 00 00-0026	SF Up To 100 SF, Stucco, Mold Abatement And Disposal.....	15.65
02 85 00 00-0027	SF >100 To 500 SF, Stucco, Mold Abatement And Disposal.....	11.13
02 85 00 00-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	8.35
02 85 00 00-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal.....	6.26
02 85 00 00-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal.....	4.71
02 85 00 00-0031	Fireproofing, Mold Abatement And Disposal (02 85 00 00-0024)	
	Note: Exposed surface area, includes associated overspray.	
02 85 00 00-0032	SF Up To 100 SF, Fireproofing, Mold Abatement And Disposal.....	15.65
02 85 00 00-0033	SF >100 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	15.34
02 85 00 00-0034	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	11.51
02 85 00 00-0035	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	8.64
02 85 00 00-0036	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal.....	6.48
02 85 00 00-0037	Siding, Mold Abatement And Disposal (02 85)	
02 85 00 00-0038	Exterior Siding, Mold Abatement And Disposal (02 85 00 00-0037)	
02 85 00 00-0039	SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	6.96
02 85 00 00-0040	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	4.47
02 85 00 00-0041	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.05
02 85 00 00-0042	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.00
02 85 00 00-0043	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	1.79
02 85 00 00-0044	Contaminated Debris, Mold Abatement And Disposal (02 85)	
02 85 00 00-0045	Contaminated Debris, Mold Abatement And Disposal (02 85 00 00-0044)	
02 85 00 00-0046	CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal.....	28.87
02 85 00 00-0047	CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	17.32
02 85 00 00-0048	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	11.55
02 85 00 00-0049	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	8.66
02 85 00 00-0050	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	6.93
02 85 00 00-0051	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	3.78
02 85 00 00-0052	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	3.40
02 85 00 00-0053	Other Mold Containing Materials, Mold Abatement And Disposal (02 85)	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 00 00-0054 Caulking, Mold Abatement And Disposal <small>(02 85 00 00-0053)</small>		
02 85 00 00-0055 LF Up To 10 LF, Caulking, Mold Abatement And Disposal.....	2.95	
02 85 00 00-0056 LF >10 To 50 LF, Caulking, Mold Abatement And Disposal.....	2.51	
02 85 00 00-0057 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal.....	1.79	
02 85 00 00-0058 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal.....	1.35	
02 85 00 00-0059 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.00	
02 85 00 00-0060 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	0.80	
02 85 00 00-0061 LF >2,500 LF, Caulking, Mold Abatement And Disposal.....	0.70	
02 85 00 00-0062 Wipe Down Walls, Ceilings And Floors <small>(02 85 00 00-0053)</small>		
02 85 00 00-0063 CSF Wipe Down Floors With Mild Bleach Solution.....	13.91	
02 85 00 00-0064 CSF Wipe Down Walls With Mild Bleach Solution.....	16.37	
02 85 00 00-0065 CSF Wipe Down Ceilings With Mild Bleach Solution.....	18.62	
02 85 00 00-0066 CSF Wipe Down Countertops With Mild Bleach Solution.....	15.18	
02 85 00 00-0067 CSF Wipe Down Other Surfaces With Mild Bleach Solution.....	19.26	
02 86 Hazardous Waste Drum Handling <small>(02 86)</small>		
02 86 00 00-0001 Hazardous Waste Packaging <small>(02 86)</small>		
02 86 00 00-0002 Overpacks <small>(02 86 00 00-0001)</small>		
02 86 00 00-0003 Steel Salvage Drums, 16 Gauge <small>(02 86 00 00-0002)</small>		
02 86 00 00-0004 EA 110 Gallon, 30" Diameter X 41" High.....	161.68	
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High.....	92.03	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High.....	88.82	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	55.57	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	43.78	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High.....	29.49	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	26.67	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High.....	23.50	
02 86 00 00-0012 Polyethylene Overpacks <small>(02 86 00 00-0002)</small>		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High.....	182.62	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High.....	33.75	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	165.25	
02 86 00 00-0016 Composite Overpacks <small>(02 86 00 00-0002)</small>		
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	89.68	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	123.06	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums.....	166.91	
02 86 00 00-0020 DOT E-9168 Exempt Packaging <small>(02 86 00 00-0002)</small>		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	9.78	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.32	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape.....	10.09	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	5.00	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS.....	4.80	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	3.49	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	4.54	
02 86 00 00-0028 Steel Drums <small>(02 86 00 00-0001)</small>		
02 86 00 00-0029 UN Rated Steel Drums <small>(02 86 00 00-0028)</small>		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum.....	58.44	
02 86 00 00-0031 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49).....	923.11	
02 86 00 00-0032 EA 8 Gallon, 17C, Open.....	30.11	
02 86 00 00-0033 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24).....	744.90	
02 86 00 00-0034 EA 55 Gallon Reconditioned Steel 17h Drum (50+).....	29.46	
02 86 00 00-0035 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49).....	730.88	
02 86 00 00-0036 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24).....	1,069.28	
02 86 00 00-0037 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+).....	875.05	
02 86 00 00-0038 EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum.....	55.23	
02 86 00 00-0039 EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum.....	44.78	
02 86 00 00-0040 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	967.16	
02 86 00 00-0041 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49).....	1,049.26	
02 86 00 00-0042 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+).....	658.79	
02 86 00 00-0043 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+).....	945.14	
02 86 00 00-0044 EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	35.29	
02 86 00 00-0045 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	949.14	
02 86 00 00-0046 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	620.75	
02 86 00 00-0047 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	596.72	
02 86 00 00-0048 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,009.21	
02 86 00 00-0049 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	855.03	

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	40.91
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	810.97
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	34.78
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	985.18
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	570.69
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	550.66
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	967.16
02 86 00 00-0057	EA	30 Gallon, 17E, Open	25.23
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	43.20
02 86 00 00-0059	EA	20 Gallon, 17C, Open	35.46
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	871.05
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,043.25
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	38.29
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	33.38
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	762.92
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,023.23
02 86 00 00-0066	EA	20 Gallon, 17E, Open	23.87

02 86 00 00-0067 Plastic Drums (02 86 00 00-0001)**02 86 00 00-0068 Polyethylene Closed Head Drums** (02 86 00 00-0067)

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

02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	36.68
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	28.16
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	25.57
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	17.86
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	17.52

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

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

02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	46.37
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	34.09
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	32.39
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	23.87
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	20.46

02 86 00 00-0080 Fiber Drums (02 86 00 00-0001)**02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous** (02 86 00 00-0080)

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

02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	28.09
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	26.32
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	24.00
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	23.73
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	28.91
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	27.27
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	25.23
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	24.41
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	21.14
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	18.00
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	19.64
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	22.91

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

02 86 00 00-0095	EA	Load Drums On Disposal Truck	7.57
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	856.79

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

Note: Includes transportation for up to 25 miles.

02 86 00 00-0098	EA	Transport Drum To Landfill	47.90
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Note: Includes transportation for up to 25 miles.

02 87 Bio-Hazard Material Remediation (02 80)

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

02 87 00 00-0001 Bird Waste Removal (02 87)

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

02 87 00 00-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	500.74
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For Work In Restricted Working Space, Add

150.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 00 00-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	8.35 2.51	
02 87 00 00-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	7.59 2.28	
02 87 00 00-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	6.89 2.07	
02 87 00 00-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	6.27 1.88	
02 89 Hazmat Ancillary Tasks And Support (02 80)		
02 89 00 00-0001 Barriers And Protection (02 89)		
Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)		
Note: Use framing task with applicable barrier task.		
02 89 00 00-0003 SF 1/2" Plywood For Solid Isolation Barrier.....	2.56	
02 89 00 00-0004 SF Plastic Sheeting For Separation Barrier.....	0.30	
02 89 00 00-0005 SF 1/2" Drywall For Solid Isolation Barrier.....	1.20	
02 89 00 00-0006 SF 5/8" Drywall For Solid Isolation Barrier.....	1.34	
02 89 00 00-0007 Cleaning Surfaces (02 89 00 00-0001)		
Note: Other surfaces within contamination area but not contaminated by, or part of removal.		
02 89 00 00-0008 SF Up To 100 SF, Clean Asbestos Surface.....	0.61	
02 89 00 00-0009 SF >100 To 500 SF, Clean Asbestos Surface.....	0.37	
02 89 00 00-0010 SF >500 To 1,000 SF, Clean Asbestos Surface.....	0.29	
02 89 00 00-0011 SF >1,000 SF, Clean Asbestos Surface.....	0.24	
02 89 00 00-0012 Hazmat Containment Construction (02 89 00 00-0001)		
02 89 00 00-0013 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.31	
02 89 00 00-0014 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.40	
02 89 00 00-0015 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.54	
02 89 00 00-0016 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.48	
02 89 00 00-0017 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.60	
02 89 00 00-0018 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.77	
02 89 00 00-0019 Decontamination Chambers (02 89)		
Note: Includes removal after use.		
02 89 00 00-0020 EA Portable Personnel Decontamination Wash Facility (3 Stage).....	544.72	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		
	328.81	
02 89 00 00-0021 EA Portable Waste Decontamination Unit.....	343.24	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		
	235.29	

END OF SECTION 02

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



MINOR	TOTAL DIRECT
CSI UOM DESCRIPTION	UNIT COST DEMOLITION

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

03 01 Maintenance Of Concrete (03)

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

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

03 01 30 51-0001	Abrasive Blasting <small>(03 01 30 51)</small> Note: Includes containment and clean-up of all material.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting (Beads, Steel Balls, Etcetera).....	3.69

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

03 01 30 71-0001	Concrete Resurfacing/Repair <small>(03 01 30 71)</small> See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair <small>(03 01 30 71-0001)</small>	
03 01 30 71-0003	Bridge Expansion Joint Repair <small>(03 01 30 71-0002)</small> Note: Replace header with semi-flexible polymer nosing system. Includes sawcutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal.	
03 01 30 71-0004	CF Replace Header With Semi-Flexible Polymer Nosing System.....	525.43
03 01 30 71-0005	CI Seal Expansion Joints With Rapid Cure Silicone.....	4.40
03 01 30 71-0006	CI Seal Expansion Joints With Closed Cell Foam/EVA.....	0.53
03 01 30 71-0007	LF Seal Expansion Joints With "V" Shape Preformed Silicone.....	58.33
03 01 30 71-0008	LF Seal Expansion Joints With "W" Shape Preformed Silicone.....	61.76

03 01 30 71-0009	Decks Or Floors <small>(03 01 30 71-0002)</small> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0010	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.65
03 01 30 71-0011	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	14.99
03 01 30 71-0012	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.42

03 01 30 71-0013	Concrete Grinding <small>(03 01 30 71-0002)</small>	
03 01 30 71-0014	SY Grinding Cured, Warped, Or Rough Slabs	1.41

03 01 30 71-0015	Verticals Or Overheads <small>(03 01 30 71-0002)</small> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0016	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	6.94
03 01 30 71-0017	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	20.31
03 01 30 71-0018	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	22.92
03 01 30 71-0019	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.31
03 01 30 71-0020	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	9.24
	Note: Rapid Set - Wunderfixx	

03 01 30 71-0021	Bridge Deck Treatment <small>(03 01 30 71-0002)</small>	
03 01 30 71-0022	SF Sweep Bridge Deck	0.01
03 01 30 71-0023	SF Clean Bridge Deck.....	0.01
03 01 30 71-0024	SF Treat Bridge Deck With Methacrylate Resin Sealant	1.24

03 01 30 71-0025	Concrete Finishes <small>(03 01 30 71-0001)</small>	
03 01 30 71-0026	Concrete Patching <small>(03 01 30 71-0025)</small>	
03 01 30 71-0027	Walls <small>(03 01 30 71-0026)</small>	
03 01 30 71-0028	BAG Sika Top 111 Plus.....	93.68
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	30.82
	For >10 To 25, Add	18.49
	For >25 To 50, Add	12.33
	For >50 To 75, Add	6.16
03 01 30 71-0029	BAG Sika Grout 212, 50 LB Bag.....	59.75
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	16.52
	For >10 To 25, Add	9.91
	For >25 To 50, Add	6.61
	For >50 To 75, Add	3.30
03 01 30 71-0030	EA Sika Flex 1A, 10.3 Ounce Tube.....	25.51
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0031	BAG Pea Gravel.....	18.01

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

03 01 30 71-0032	Crack Repair For Concrete <small>(03 01 30 71-0001)</small>	
03 01 30 71-0033	Non Structural Crack Repair For Concrete <small>(03 01 30 71-0032)</small>	
03 01 30 71-0034	Surface Applied, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0033)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0035	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	4.75
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0036	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.18
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0037	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	4.82
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0038	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.31
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0039	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.06
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0040	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.80
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0041	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.24
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0042	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.16
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0043	Pressure Injected, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0033)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions.	
03 01 30 71-0044	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	19.14
	<i>For Cracks Accessible From Both Sides, Add</i>	3.88
03 01 30 71-0045	Structural Crack Repair For Concrete <small>(03 01 30 71-0032)</small>	
03 01 30 71-0046	Surface Applied, Structural Crack Repair For Concrete <small>(03 01 30 71-0045)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming.	
03 01 30 71-0047	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.28
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0048	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.25
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0049	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.28
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0050	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	7.23
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0051	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	5.98
	<i>For V-Grooving Crack With Grinder, Add</i>	3.83
03 01 30 71-0052	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.65
	<i>For V-Grooving Crack With Grinder, Add</i>	3.74
03 01 30 71-0053	Pressure Injected, Structural Crack Repair For Concrete <small>(03 01 30 71-0045)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions.	
03 01 30 71-0054	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	17.23
	<i>For Cracks Accessible From Both Sides, Add</i>	3.88
03 01 30 71-0055	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	17.22
	<i>For Cracks Accessible From Both Sides, Add</i>	3.88
03 01 30 71-0056	Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small> Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0057 SF Carbon Fiber Strengthening System Beams, Per Layer.....	50.16	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0058 SF Carbon Fiber Strengthening System Columns, Per Layer.....	44.06	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0059 SF Carbon Fiber Strengthening System Slabs, Per Layer.....	38.72	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		

03 05 Common Work Results For Concrete (03)

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

03 05 00 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture.....	3.25
03 05 00 00-0003 CY Set Retarding, Type B Concrete Admixture.....	2.25
03 05 00 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	3.50
03 05 00 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.00
03 05 00 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	6.25
03 05 00 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.50
03 05 00 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	2.70
03 05 00 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	3.75
03 05 00 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	7.50
03 05 00 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture.....	4.19
03 05 00 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.00
03 05 00 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....	8.00
03 05 00 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture.....	20.28
03 05 00 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture.....	67.08
03 05 00 00-0016 CY Corrosion Inhibiting Concrete Admixture.....	15.00
03 05 00 00-0017 CY Winter Service Or Heat, Concrete Add.....	3.50
03 05 00 00-0018 CY Chilled Water, Concrete Add.....	3.50
03 05 00 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture.....	20.25
03 05 00 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	33.75
03 05 00 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture.....	64.80
03 05 00 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture.....	90.00

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

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

Note: Per square foot of formwork.

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

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

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

Note: For foundation work below or at grade.

03 11 13 00-0003 SF Continuous Footings Foundation Wood Formwork.....	5.84
For <1,000, Add	1.07
For Foundations >8' Below Grade, Add	1.02
For Curved Formwork, Add	2.04
03 11 13 00-0004 SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	6.92
For <1,000, Add	1.28
For Foundations >8' Below Grade, Add	1.23
For Curved Formwork, Add	2.46
03 11 13 00-0005 SF Mat Foundation Wood Formwork.....	7.87
For <1,000, Add	1.49
For Foundations >8' Below Grade, Add	1.45
For Curved Formwork, Add	2.89
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork.....	6.56
For <1,000, Add	1.23
For Foundations >8' Below Grade, Add	1.18
For Curved Formwork, Add	2.37
03 11 13 00-0007 SF Below Grade Walls Foundation Wood Formwork.....	9.36
Note: Excludes footing	
For <1,000, Add	1.74
For Foundations >8' Below Grade, Add	1.67
For Curved Formwork, Add	3.35

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

03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork.....	4.45
For Foundations >8' Below Grade, Add	0.81
For Curved Formwork, Add	1.62
For <250, Add	0.84
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork.....	6.45
For Foundations >8' Below Grade, Add	1.14
For Curved Formwork, Add	2.27
For <250, Add	1.19
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork.....	8.20
For Foundations >8' Below Grade, Add	1.47
For Curved Formwork, Add	2.94
For <1,000, Add	1.53



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 11 13 00-0012	Column Wood Formwork (03 11 13 00-0001)	
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork.....	34.88
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork.....	50.84
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork.....	63.42
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork.....	90.27
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork.....	129.23
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork.....	170.03
03 11 13 00-0019	Above Grade Wall Wood Formwork (03 11 13 00-0001)	
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork.....	10.42
	<i>For Curved Formwork, Add</i>	3.77
	<i>For <1,000, Add</i>	1.95
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork.....	12.36
	<i>For Curved Formwork, Add</i>	4.48
	<i>For <1,000, Add</i>	2.32
03 11 13 00-0022	Elevated Beam Wood Formwork (03 11 13 00-0001)	
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.	
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork.....	13.40
	<i>For Curved Formwork, Add</i>	4.90
	<i>For <1,000, Add</i>	2.53
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork.....	8.62
	<i>For Curved Formwork, Add</i>	3.14
	<i>For <1,000, Add</i>	1.62
03 11 13 00-0025	Elevated Slab Wood Formwork (03 11 13 00-0001)	
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.	
03 11 13 00-0026	SF Elevated Slab Wood Formwork.....	7.99
	<i>For <1,000, Add</i>	1.45
03 11 13 00-0027	Metal Framed Formwork (03 11 13)	
	Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0028	Foundation Metal Framed Formwork (03 11 13 00-0027)	
	Note: For foundation work below or at grade.	
03 11 13 00-0029	SF Continuous Footings Foundation Metal Framed Formwork.....	4.83
	<i>For <1,000, Add</i>	0.92
	<i>For Foundations >8' Below Grade, Add</i>	0.89
	<i>For Curved Formwork, Add</i>	1.78
03 11 13 00-0030	SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	5.39
	<i>For <1,000, Add</i>	1.03
	<i>For Foundations >8' Below Grade, Add</i>	1.00
	<i>For Curved Formwork, Add</i>	2.00
03 11 13 00-0031	SF Mat Foundation Metal Framed Formwork.....	5.99
	<i>For <1,000, Add</i>	1.13
	<i>For Foundations >8' Below Grade, Add</i>	1.10
	<i>For Curved Formwork, Add</i>	2.20
03 11 13 00-0032	SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	5.04
	<i>For <1,000, Add</i>	0.95
	<i>For Foundations >8' Below Grade, Add</i>	0.92
	<i>For Curved Formwork, Add</i>	1.85
03 11 13 00-0033	SF Below Grade Walls Foundation Metal Framed Formwork.....	7.79
	Note: Excludes footing.	
	<i>For <1,000, Add</i>	1.49
	<i>For Foundations >8' Below Grade, Add</i>	1.45
	<i>For Curved Formwork, Add</i>	2.91
03 11 13 00-0034	Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)	
03 11 13 00-0035	LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork.....	3.71
	<i>For Foundations >8' Below Grade, Add</i>	0.73
	<i>For Curved Formwork, Add</i>	1.46
	<i>For <250, Add</i>	0.73
03 11 13 00-0036	LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	4.63
	<i>For Foundations >8' Below Grade, Add</i>	0.91
	<i>For Curved Formwork, Add</i>	1.81
	<i>For <250, Add</i>	0.91
03 11 13 00-0037	SF >12" High Slab Edge and Block-Out Metal Framed Formwork.....	5.12
	<i>For Foundations >8' Below Grade, Add</i>	1.00
	<i>For Curved Formwork, Add</i>	2.00
	<i>For <1,000, Add</i>	1.01
03 11 13 00-0038	Column Metal Framed Formwork (03 11 13 00-0027)	
03 11 13 00-0039	Square Columns (03 11 13 00-0038)	
03 11 13 00-0040	LF Up To 12" Square Column Metal Framed Formwork.....	29.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork	35.78	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork	41.83	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork	50.07	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork	60.23	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork	72.19	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork	92.53	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	113.93	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork	25.28	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork	28.44	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork	32.97	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork	39.03	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork	46.48	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork	53.52	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork	67.88	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork	84.91	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork	4.61	
<i>For Curved Formwork, Add</i>	1.63	
<i>For <1,000, Add</i>	0.85	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork	5.59	
<i>For Curved Formwork, Add</i>	1.97	
<i>For <1,000, Add</i>	1.03	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork	4.58	
<i>For Curved Formwork, Add</i>	1.53	
<i>For <1,000, Add</i>	0.81	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork	3.41	
<i>For Curved Formwork, Add</i>	1.19	
<i>For <1,000, Add</i>	0.63	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork	6.01	
<i>For <1,000, Add</i>	0.96	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13)		
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067 LF 8" Diameter Round Fiber Tube Formwork	14.80	
<i>For Plastic Lined, Add</i>	0.82	
<i>For Columns >12' In Length, Add</i>	1.48	
03 11 13 00-0068 LF 10" Diameter Round Fiber Tube Formwork	16.67	
<i>For Plastic Lined, Add</i>	1.04	
<i>For Columns >12' In Length, Add</i>	1.67	
03 11 13 00-0069 LF 12" Diameter Round Fiber Tube Formwork	19.02	
<i>For Plastic Lined, Add</i>	1.20	
<i>For Columns >12' In Length, Add</i>	1.90	
03 11 13 00-0070 LF 14" Diameter Round Fiber Tube Formwork	20.85	
<i>For Plastic Lined, Add</i>	1.37	
<i>For Columns >12' In Length, Add</i>	2.09	
03 11 13 00-0071 LF 16" Diameter Round Fiber Tube Formwork	22.01	
<i>For Plastic Lined, Add</i>	1.55	
<i>For Columns >12' In Length, Add</i>	2.20	
03 11 13 00-0072 LF 18" Diameter Round Fiber Tube Formwork	24.68	
<i>For Plastic Lined, Add</i>	2.15	
<i>For Columns >12' In Length, Add</i>	2.47	
03 11 13 00-0073 LF 20" Diameter Round Fiber Tube Formwork	27.23	
<i>For Plastic Lined, Add</i>	2.72	
<i>For Columns >12' In Length, Add</i>	2.72	
03 11 13 00-0074 LF 22" Diameter Round Fiber Tube Formwork	28.76	
<i>For Plastic Lined, Add</i>	2.91	
<i>For Columns >12' In Length, Add</i>	2.88	
03 11 13 00-0075 LF 24" Diameter Round Fiber Tube Formwork	30.28	
<i>For Plastic Lined, Add</i>	3.09	
<i>For Columns >12' In Length, Add</i>	3.03	
03 11 13 00-0076 LF 26" Diameter Round Fiber Tube Formwork	31.38	
<i>For Plastic Lined, Add</i>	3.32	
<i>For Columns >12' In Length, Add</i>	3.14	
03 11 13 00-0077 LF 28" Diameter Round Fiber Tube Formwork	32.58	
<i>For Plastic Lined, Add</i>	3.57	
<i>For Columns >12' In Length, Add</i>	3.26	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0078 LF 30" Diameter Round Fiber Tube Formwork	33.93	
For Plastic Lined, Add	3.86	
For Columns >12' In Length, Add	3.39	
03 11 13 00-0079 LF 36" Diameter Round Fiber Tube Formwork	38.55	
For Plastic Lined, Add	4.85	
For Columns >12' In Length, Add	3.86	
03 11 13 00-0080 LF 42" Diameter Round Fiber Tube Formwork	47.73	
For Plastic Lined, Add	7.32	
For Columns >12' In Length, Add	4.77	
03 11 13 00-0081 LF 48" Diameter Round Fiber Tube Formwork	56.89	
For Plastic Lined, Add	9.79	
For Columns >12' In Length, Add	5.69	
03 11 13 00-0082 Accessories For Formwork (03 11 13)		
03 11 13 00-0083 Keyway Forms, All Materials (03 11 13 00-0082)		
03 11 13 00-0084 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.55	
03 11 13 00-0085 Chamfer Strips, All Materials (03 11 13 00-0082)		
03 11 13 00-0086 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.63	
03 11 13 00-0087 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.90	
03 11 13 00-0088 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.20	
03 11 13 00-0089 Reglets (03 11 13 00-0082)		
03 11 13 00-0090 LF 24 To 26 Gauge Galvanized Steel Reglets for Concrete Formwork	7.81	
03 11 13 00-0091 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0082)		
03 11 13 00-0092 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	8.68	
03 11 13 00-0093 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.31	
03 11 13 00-0094 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	12.44	
03 11 13 00-0095 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	13.76	
03 11 13 00-0096 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	17.63	
03 11 13 00-0097 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	35.68	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	3.92	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork	13.15	
For Curved Formwork, Add	5.00	
For <1,000, Add	2.54	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	25.69	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	9.69	
For <1,000, Add	4.94	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork	10.44	
For Curved Formwork, Add	4.03	
For <1,000, Add	2.04	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork	19.44	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	7.49	
For <1,000, Add	3.79	
03 15 Concrete Accessories (03 10)		
03 15 13 Waterstops (03 15)		
03 15 13 13 Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.61	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.21	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.26	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.87	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.85	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	5.64	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.22	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	11.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	9.62	
03 15 13 13-0011 Rubber Waterstops (03 15 13 13)		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	7.17	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	8.37	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	7.88	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	11.21	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	8.87	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	11.73	
03 15 13 16 Expanding Waterstops (03 15 13)		
03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop	4.79	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop	7.05	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop	7.86	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop	8.74	
03 15 16 Concrete Construction Joints (03 15)		
03 15 16 00-0001 Poured Expansion Joint (03 15 16)		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.56	0.66
<i>For Installation In Walls, Add</i>	1.10	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured	5.55	0.66
<i>For Installation In Walls, Add</i>	1.25	
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.22	0.66
<i>For Installation In Walls, Add</i>	1.10	
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.67	0.66
<i>For Installation In Walls, Add</i>	1.25	
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	2.32	0.66
<i>For Installation In Walls, Add</i>	1.25	
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, Hot Or Cold Applied	5.27	0.66
<i>For Installation In Walls, Add</i>	2.03	
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	1.83	0.66
<i>For Installation In Walls, Add</i>	1.10	
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.23	0.66
<i>For Installation In Walls, Add</i>	1.10	
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.05	0.66
<i>For Installation In Walls, Add</i>	1.25	
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)		
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0013 LF 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.63	0.75
03 15 16 00-0014 LF 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.85	0.80
03 15 16 00-0015 LF 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.99	0.84
03 15 16 00-0016 LF 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.14	0.87
03 15 16 00-0017 LF 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.76	0.75
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.96	0.80
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.18	0.84
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.52	0.87
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.61	0.71
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.74	0.75
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.91	0.80
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.04	0.84
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.21	0.87
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.44	0.91
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	2.63	0.95
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	2.93	0.99
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.92	0.80
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.18	0.84
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.64	0.91
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint	4.53	1.25
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint	2.68	0.80
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint	3.01	0.87
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint	3.26	0.91
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint	4.51	0.95
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint	4.80	0.99
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint	5.34	1.25
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint	6.15	1.25
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint	6.52	1.25
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.76	0.80
	03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.83	0.84
	03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.94	0.87
	03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.22	0.91
	03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.81	0.80
	03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.89	0.84
	03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.97	0.87
	03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.15	0.91
03 15 16 00-0051	Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)				
	03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint.....	1.78	0.80
	03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint.....	1.93	0.84
	03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....	2.14	0.91
03 15 16 00-0055	Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)				
	03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.57	0.75
	03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.27	0.75
03 15 16 00-0058	Asphalt Felt Control Joints Or Bond Breaker (03 15 16)				
	03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.88	0.56
	03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.81	0.56
03 15 16 00-0061	Keyed Cold Expansion And Control Joints (03 15 16)				
03 15 16 00-0062	24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)				
	03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	4.34	
	03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	4.42	
	03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	4.58	
	03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	4.86	
	03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	6.09	
03 15 19	Cast-In Concrete Anchors (03 15)				
03 15 19 00-0001	Cast In Place Anchors (03 15 19)				
	Note: For cast in place installations. Includes nut and washer.				
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001)				
	See CSI section 03 11 13 00-0002 for template.				
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)				
	03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.05	
			For Galvanized, Add	0.88	
			For Stainless Steel, Add	6.13	
			For >10 To 50, Deduct	-0.22	
			For >50 To 100, Deduct	-0.47	
			For >100, Deduct	-0.95	
	03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.87	
			For Galvanized, Add	1.12	
			For Stainless Steel, Add	7.84	
			For >10 To 50, Deduct	-0.23	
			For >50 To 100, Deduct	-0.52	
			For >100, Deduct	-1.04	
	03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.10	
			For Galvanized, Add	1.54	
			For Stainless Steel, Add	10.78	
			For >10 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.58	
			For >100, Deduct	-1.16	
	03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.04	
			For Galvanized, Add	2.01	
			For Stainless Steel, Add	14.07	
			For >10 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.60	
			For >100, Deduct	-1.21	
	03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.84	
			For Galvanized, Add	2.69	
			For Stainless Steel, Add	18.80	
			For >10 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-0.68	
			For >100, Deduct	-1.36	
	03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	12.16	
			For Galvanized, Add	3.07	
			For Stainless Steel, Add	21.49	
			For >10 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.76	
			For >100, Deduct	-1.51	
03 15 19 00-0010	3/4" And 7/8" Diameter (03 15 19 00-0002)				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.12	
For Galvanized, Add	3.05	
For Stainless Steel, Add	21.35	
For >10 To 50, Deduct	-0.30	
For >50 To 100, Deduct	-0.75	
For >100, Deduct	-1.51	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.79	
For Galvanized, Add	3.55	
For Stainless Steel, Add	24.85	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.69	
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.62	
For Galvanized, Add	4.55	
For Stainless Steel, Add	31.85	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.96	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.90	
For Galvanized, Add	5.74	
For Stainless Steel, Add	40.15	
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-1.13	
For >100, Deduct	-2.26	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.85	
For Galvanized, Add	4.17	
For Stainless Steel, Add	29.16	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.92	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.58	
For Galvanized, Add	4.99	
For Stainless Steel, Add	34.93	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.33	
For Galvanized, Add	6.65	
For Stainless Steel, Add	46.55	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.67	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.38	
For Galvanized, Add	5.39	
For Stainless Steel, Add	37.73	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.13	
For >100, Deduct	-2.26	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.00	
For Galvanized, Add	6.49	
For Stainless Steel, Add	45.40	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.65	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.29	
For Galvanized, Add	8.13	
For Stainless Steel, Add	56.91	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.22	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.92	
For Galvanized, Add	9.94	
For Stainless Steel, Add	69.55	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-2.00	
For >100, Deduct	-4.00	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.91	
For Galvanized, Add	6.74	
For Stainless Steel, Add	47.15	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.28	
For >100, Deduct	-2.56	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.23	
For Galvanized, Add	8.11	
For Stainless Steel, Add	56.77	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.51	
For >100, Deduct	-3.01	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.54	
			<i>For Galvanized, Add</i>	10.17	
			<i>For Stainless Steel, Add</i>	71.16	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100, Deduct</i>	-3.66	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	41.35	
			<i>For Galvanized, Add</i>	12.42	
			<i>For Stainless Steel, Add</i>	86.91	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.55	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.29	
			<i>For Galvanized, Add</i>	8.42	
			<i>For Stainless Steel, Add</i>	58.94	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.93	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.47	
			<i>For Galvanized, Add</i>	10.14	
			<i>For Stainless Steel, Add</i>	70.95	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.45	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.04	
			<i>For Galvanized, Add</i>	12.71	
			<i>For Stainless Steel, Add</i>	88.94	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.20	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	49.33	
			<i>For Galvanized, Add</i>	15.52	
			<i>For Stainless Steel, Add</i>	108.64	
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100, Deduct</i>	-5.21	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.77	
			<i>For Galvanized, Add</i>	10.53	
			<i>For Stainless Steel, Add</i>	73.68	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.40	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.02	
			<i>For Galvanized, Add</i>	12.67	
			<i>For Stainless Steel, Add</i>	88.69	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.00	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	48.19	
			<i>For Galvanized, Add</i>	15.89	
			<i>For Stainless Steel, Add</i>	111.20	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.87	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.31	
			<i>For Galvanized, Add</i>	19.40	
			<i>For Stainless Steel, Add</i>	135.80	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-3.02	
			<i>For >100, Deduct</i>	-6.04	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.35	
			<i>For Galvanized, Add</i>	2.33	
			<i>For Stainless Steel, Add</i>	16.31	
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.57	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.28	
			<i>For Galvanized, Add</i>	2.88	
			<i>For Stainless Steel, Add</i>	20.16	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0040 EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.20	
For Galvanized, Add	3.30	
For Stainless Steel, Add	23.10	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.05	
03 15 19 00-0041 EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.88	
For Galvanized, Add	3.43	
For Stainless Steel, Add	23.98	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.35	
03 15 19 00-0042 EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.22	
For Galvanized, Add	3.60	
For Stainless Steel, Add	25.17	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.77	
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.30	
For Galvanized, Add	2.89	
For Stainless Steel, Add	20.23	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.79	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.33	
For Galvanized, Add	3.37	
For Stainless Steel, Add	23.56	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.06	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.75	
For Galvanized, Add	3.86	
For Stainless Steel, Add	27.02	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.39	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.04	
For Galvanized, Add	4.01	
For Stainless Steel, Add	28.04	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.81	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.47	
For Galvanized, Add	4.21	
For Stainless Steel, Add	29.47	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.43	
03 15 19 00-0048 1" And 1-1/8" Diameter <small>(03 15 19 00-0038)</small>		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.01	
For Galvanized, Add	3.71	
For Stainless Steel, Add	25.94	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.09	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.36	
For Galvanized, Add	4.17	
For Stainless Steel, Add	29.16	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.35	
For Galvanized, Add	4.66	
For Stainless Steel, Add	32.62	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.84	
For Galvanized, Add	4.88	
For Stainless Steel, Add	34.16	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.10	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.27	
For Galvanized, Add	5.11	
For Stainless Steel, Add	35.77	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.56
		<i>For Galvanized, Add</i>	5.92
		<i>For Stainless Steel, Add</i>	41.44
		<i>For >10 To 50, Deduct</i>	-0.84
		<i>For >50 To 100, Deduct</i>	-1.97
		<i>For >100, Deduct</i>	-3.94
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.92
		<i>For Galvanized, Add</i>	6.93
		<i>For Stainless Steel, Add</i>	48.51
		<i>For >10 To 50, Deduct</i>	-1.00
		<i>For >50 To 100, Deduct</i>	-2.35
		<i>For >100, Deduct</i>	-4.71
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.78
		<i>For Galvanized, Add</i>	4.88
		<i>For Stainless Steel, Add</i>	34.13
		<i>For >10 To 50, Deduct</i>	-0.50
		<i>For >50 To 100, Deduct</i>	-1.25
		<i>For >100, Deduct</i>	-2.49
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.94
		<i>For Galvanized, Add</i>	5.46
		<i>For Stainless Steel, Add</i>	38.19
		<i>For >10 To 50, Deduct</i>	-0.60
		<i>For >50 To 100, Deduct</i>	-1.48
		<i>For >100, Deduct</i>	-2.95
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.49
		<i>For Galvanized, Add</i>	5.71
		<i>For Stainless Steel, Add</i>	39.94
		<i>For >10 To 50, Deduct</i>	-0.65
		<i>For >50 To 100, Deduct</i>	-1.59
		<i>For >100, Deduct</i>	-3.19

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

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.82
		<i>For Galvanized, Add</i>	5.90
		<i>For Stainless Steel, Add</i>	41.27
		<i>For >10 To 50, Deduct</i>	-0.60
		<i>For >50 To 100, Deduct</i>	-1.50
		<i>For >100, Deduct</i>	-3.00
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.84
		<i>For Galvanized, Add</i>	6.90
		<i>For Stainless Steel, Add</i>	48.27
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.85
		<i>For >100, Deduct</i>	-3.70
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.45
		<i>For Galvanized, Add</i>	7.81
		<i>For Stainless Steel, Add</i>	54.67
		<i>For >10 To 50, Deduct</i>	-0.79
		<i>For >50 To 100, Deduct</i>	-1.97
		<i>For >100, Deduct</i>	-3.95
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.36
		<i>For Galvanized, Add</i>	8.82
		<i>For Stainless Steel, Add</i>	61.74
		<i>For >10 To 50, Deduct</i>	-0.84
		<i>For >50 To 100, Deduct</i>	-2.11
		<i>For >100, Deduct</i>	-4.23
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.99
		<i>For Galvanized, Add</i>	9.60
		<i>For Stainless Steel, Add</i>	67.17
		<i>For >10 To 50, Deduct</i>	-0.94
		<i>For >50 To 100, Deduct</i>	-2.36
		<i>For >100, Deduct</i>	-4.72
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.04
		<i>For Galvanized, Add</i>	10.28
		<i>For Stainless Steel, Add</i>	71.93
		<i>For >10 To 50, Deduct</i>	-1.07
		<i>For >50 To 100, Deduct</i>	-2.66
		<i>For >100, Deduct</i>	-5.33
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.07
		<i>For Galvanized, Add</i>	11.00
		<i>For Stainless Steel, Add</i>	76.97
		<i>For >10 To 50, Deduct</i>	-1.25
		<i>For >50 To 100, Deduct</i>	-3.06
		<i>For >100, Deduct</i>	-6.12
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.41
		<i>For Galvanized, Add</i>	12.16
		<i>For Stainless Steel, Add</i>	85.12
		<i>For >10 To 50, Deduct</i>	-1.50
		<i>For >50 To 100, Deduct</i>	-3.62
		<i>For >100, Deduct</i>	-7.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	26.77	
				<i>For Galvanized, Add</i>	7.37	
				<i>For Stainless Steel, Add</i>	51.59	
				<i>For >10 To 50, Deduct</i>	-0.60	
				<i>For >50 To 100, Deduct</i>	-1.57	
				<i>For >100, Deduct</i>	-3.14	
	03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	32.30	
				<i>For Galvanized, Add</i>	8.63	
				<i>For Stainless Steel, Add</i>	60.38	
				<i>For >10 To 50, Deduct</i>	-0.75	
				<i>For >50 To 100, Deduct</i>	-1.94	
				<i>For >100, Deduct</i>	-3.87	
	03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	35.36	
				<i>For Galvanized, Add</i>	9.77	
				<i>For Stainless Steel, Add</i>	68.36	
				<i>For >10 To 50, Deduct</i>	-0.79	
				<i>For >50 To 100, Deduct</i>	-2.07	
				<i>For >100, Deduct</i>	-4.14	
	03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	38.77	
				<i>For Galvanized, Add</i>	11.03	
				<i>For Stainless Steel, Add</i>	77.18	
				<i>For >10 To 50, Deduct</i>	-0.84	
				<i>For >50 To 100, Deduct</i>	-2.22	
				<i>For >100, Deduct</i>	-4.45	
	03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.79	
				<i>For Galvanized, Add</i>	12.00	
				<i>For Stainless Steel, Add</i>	83.97	
				<i>For >10 To 50, Deduct</i>	-0.94	
				<i>For >50 To 100, Deduct</i>	-2.48	
				<i>For >100, Deduct</i>	-4.96	
	03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	47.18	
				<i>For Galvanized, Add</i>	12.85	
				<i>For Stainless Steel, Add</i>	89.92	
				<i>For >10 To 50, Deduct</i>	-1.07	
				<i>For >50 To 100, Deduct</i>	-2.79	
				<i>For >100, Deduct</i>	-5.58	
	03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	52.80	
				<i>For Galvanized, Add</i>	13.86	
				<i>For Stainless Steel, Add</i>	97.02	
				<i>For >10 To 50, Deduct</i>	-1.25	
				<i>For >50 To 100, Deduct</i>	-3.20	
				<i>For >100, Deduct</i>	-6.40	
	03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.49	
				<i>For Galvanized, Add</i>	15.20	
				<i>For Stainless Steel, Add</i>	106.40	
				<i>For >10 To 50, Deduct</i>	-1.50	
				<i>For >50 To 100, Deduct</i>	-3.77	
				<i>For >100, Deduct</i>	-7.54	
	03 15 19 00-0076			1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	34.11	
				<i>For Galvanized, Add</i>	10.22	
				<i>For Stainless Steel, Add</i>	71.51	
				<i>For >10 To 50, Deduct</i>	-0.68	
				<i>For >50 To 100, Deduct</i>	-1.88	
				<i>For >100, Deduct</i>	-3.76	
	03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.25	
				<i>For Galvanized, Add</i>	10.71	
				<i>For Stainless Steel, Add</i>	74.97	
				<i>For >10 To 50, Deduct</i>	-0.79	
				<i>For >50 To 100, Deduct</i>	-2.12	
				<i>For >100, Deduct</i>	-4.24	
	03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	41.26	
				<i>For Galvanized, Add</i>	11.79	
				<i>For Stainless Steel, Add</i>	82.50	
				<i>For >10 To 50, Deduct</i>	-0.88	
				<i>For >50 To 100, Deduct</i>	-2.36	
				<i>For >100, Deduct</i>	-4.72	
	03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	44.55	
				<i>For Galvanized, Add</i>	12.88	
				<i>For Stainless Steel, Add</i>	90.13	
				<i>For >10 To 50, Deduct</i>	-0.94	
				<i>For >50 To 100, Deduct</i>	-2.52	
				<i>For >100, Deduct</i>	-5.05	
	03 15 19 00-0081	EA		1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.00	
				<i>For Galvanized, Add</i>	13.97	
				<i>For Stainless Steel, Add</i>	97.79	
				<i>For >10 To 50, Deduct</i>	-1.00	
				<i>For >50 To 100, Deduct</i>	-2.70	
				<i>For >100, Deduct</i>	-5.41	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.18	
			<i>For Galvanized, Add</i>	15.02	
			<i>For Stainless Steel, Add</i>	105.14	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.13	
03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.85	
			<i>For Galvanized, Add</i>	16.25	
			<i>For Stainless Steel, Add</i>	113.75	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-3.55	
			<i>For >100, Deduct</i>	-7.10	
03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.48	
			<i>For Galvanized, Add</i>	18.02	
			<i>For Stainless Steel, Add</i>	126.14	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-4.25	
			<i>For >100, Deduct</i>	-8.49	
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.78	
			<i>For Galvanized, Add</i>	15.37	
			<i>For Stainless Steel, Add</i>	107.56	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.55	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.12	
			<i>For Galvanized, Add</i>	15.70	
			<i>For Stainless Steel, Add</i>	109.90	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.91	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.60	
			<i>For Galvanized, Add</i>	15.96	
			<i>For Stainless Steel, Add</i>	111.69	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-2.57	
			<i>For >100, Deduct</i>	-5.13	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.65	
			<i>For Galvanized, Add</i>	18.43	
			<i>For Stainless Steel, Add</i>	128.98	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-2.80	
			<i>For >100, Deduct</i>	-5.60	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.03	
			<i>For Galvanized, Add</i>	21.27	
			<i>For Stainless Steel, Add</i>	148.89	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-3.21	
			<i>For >100, Deduct</i>	-6.43	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.18	
			<i>For Galvanized, Add</i>	21.55	
			<i>For Stainless Steel, Add</i>	150.85	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100, Deduct</i>	-7.17	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	76.63	
			<i>For Galvanized, Add</i>	23.27	
			<i>For Stainless Steel, Add</i>	162.89	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-4.17	
			<i>For >100, Deduct</i>	-8.35	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.74	
			<i>For Galvanized, Add</i>	25.07	
			<i>For Stainless Steel, Add</i>	175.46	
			<i>For >10 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-5.01	
			<i>For >100, Deduct</i>	-10.03	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.47	
			<i>For Galvanized, Add</i>	23.39	
			<i>For Stainless Steel, Add</i>	163.73	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100, Deduct</i>	-5.88	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.64	
			<i>For Galvanized, Add</i>	25.29	
			<i>For Stainless Steel, Add</i>	177.03	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-3.27	
			<i>For >100, Deduct</i>	-6.54	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.27	
			<i>For Galvanized, Add</i>	27.57	
			<i>For Stainless Steel, Add</i>	192.96	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-3.69	
			<i>For >100, Deduct</i>	-7.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA			2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	85.73	
				<i>For Galvanized, Add</i>	29.19	
				<i>For Stainless Steel, Add</i>	204.33	
				<i>For >10 To 50, Deduct</i>	-1.37	
				<i>For >50 To 100, Deduct</i>	-4.19	
				<i>For >100, Deduct</i>	-8.39	
03 15 19 00-0097	EA			2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.83	
				<i>For Galvanized, Add</i>	31.37	
				<i>For Stainless Steel, Add</i>	219.59	
				<i>For >10 To 50, Deduct</i>	-1.50	
				<i>For >50 To 100, Deduct</i>	-4.58	
				<i>For >100, Deduct</i>	-9.16	
03 15 19 00-0098	EA			2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	100.43	
				<i>For Galvanized, Add</i>	33.50	
				<i>For Stainless Steel, Add</i>	234.47	
				<i>For >10 To 50, Deduct</i>	-1.67	
				<i>For >50 To 100, Deduct</i>	-5.02	
				<i>For >100, Deduct</i>	-10.04	
03 15 19 00-0099	EA			2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.93	
				<i>For Galvanized, Add</i>	35.98	
				<i>For Stainless Steel, Add</i>	251.83	
				<i>For >10 To 50, Deduct</i>	-2.15	
				<i>For >50 To 100, Deduct</i>	-6.10	
				<i>For >100, Deduct</i>	-12.19	
03 15 19 00-0100	EA			2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.07	
				<i>For Galvanized, Add</i>	39.55	
				<i>For Stainless Steel, Add</i>	276.82	
				<i>For >10 To 50, Deduct</i>	-2.15	
				<i>For >50 To 100, Deduct</i>	-6.28	
				<i>For >100, Deduct</i>	-12.55	
03 15 19 00-0101	EA			2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	138.06	
				<i>For Galvanized, Add</i>	43.96	
				<i>For Stainless Steel, Add</i>	307.72	
				<i>For >10 To 50, Deduct</i>	-2.51	
				<i>For >50 To 100, Deduct</i>	-7.21	
				<i>For >100, Deduct</i>	-14.42	
03 15 19 00-0102				2-1/2" And 2-3/4" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0103	EA			2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	121.63	
				<i>For Galvanized, Add</i>	51.97	
				<i>For Stainless Steel, Add</i>	363.79	
				<i>For >10 To 50, Deduct</i>	-0.88	
				<i>For >50 To 100, Deduct</i>	-4.37	
				<i>For >100, Deduct</i>	-8.74	
03 15 19 00-0104	EA			2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.70	
				<i>For Galvanized, Add</i>	54.32	
				<i>For Stainless Steel, Add</i>	380.24	
				<i>For >10 To 50, Deduct</i>	-1.00	
				<i>For >50 To 100, Deduct</i>	-4.72	
				<i>For >100, Deduct</i>	-9.44	
03 15 19 00-0105	EA			2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	140.96	
				<i>For Galvanized, Add</i>	58.91	
				<i>For Stainless Steel, Add</i>	412.37	
				<i>For >10 To 50, Deduct</i>	-1.16	
				<i>For >50 To 100, Deduct</i>	-5.26	
				<i>For >100, Deduct</i>	-10.52	
03 15 19 00-0106	EA			2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.52	
				<i>For Galvanized, Add</i>	62.09	
				<i>For Stainless Steel, Add</i>	434.60	
				<i>For >10 To 50, Deduct</i>	-1.37	
				<i>For >50 To 100, Deduct</i>	-5.84	
				<i>For >100, Deduct</i>	-11.68	
03 15 19 00-0107	EA			2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.91	
				<i>For Galvanized, Add</i>	65.41	
				<i>For Stainless Steel, Add</i>	457.87	
				<i>For >10 To 50, Deduct</i>	-1.50	
				<i>For >50 To 100, Deduct</i>	-6.28	
				<i>For >100, Deduct</i>	-12.56	
03 15 19 00-0108	EA			2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.72	
				<i>For Galvanized, Add</i>	69.14	
				<i>For Stainless Steel, Add</i>	483.98	
				<i>For >10 To 50, Deduct</i>	-1.67	
				<i>For >50 To 100, Deduct</i>	-6.80	
				<i>For >100, Deduct</i>	-13.60	
03 15 19 00-0109	EA			2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.89	
				<i>For Galvanized, Add</i>	72.96	
				<i>For Stainless Steel, Add</i>	510.69	
				<i>For >10 To 50, Deduct</i>	-2.15	
				<i>For >50 To 100, Deduct</i>	-7.95	
				<i>For >100, Deduct</i>	-15.89	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	136.47	
			<i>For Galvanized, Add</i>	58.84	
			<i>For Stainless Steel, Add</i>	411.85	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-4.82	
			<i>For >100, Deduct</i>	-9.64	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.36	
			<i>For Galvanized, Add</i>	62.94	
			<i>For Stainless Steel, Add</i>	440.55	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-5.30	
			<i>For >100, Deduct</i>	-10.59	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	159.22	
			<i>For Galvanized, Add</i>	67.07	
			<i>For Stainless Steel, Add</i>	469.49	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100, Deduct</i>	-11.72	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.69	
			<i>For Galvanized, Add</i>	70.80	
			<i>For Stainless Steel, Add</i>	495.60	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-6.55	
			<i>For >100, Deduct</i>	-13.10	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	183.19	
			<i>For Galvanized, Add</i>	74.88	
			<i>For Stainless Steel, Add</i>	524.13	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-7.09	
			<i>For >100, Deduct</i>	-14.18	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	198.92	
			<i>For Galvanized, Add</i>	80.66	
			<i>For Stainless Steel, Add</i>	564.59	
			<i>For >10 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-7.79	
			<i>For >100, Deduct</i>	-15.59	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	220.32	
			<i>For Galvanized, Add</i>	85.09	
			<i>For Stainless Steel, Add</i>	595.63	
			<i>For >10 To 50, Deduct</i>	-2.51	
			<i>For >50 To 100, Deduct</i>	-9.27	
			<i>For >100, Deduct</i>	-18.54	

03 20 Concrete Reinforcing ⁽⁰³⁾

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

03 21 Reinforcing Bars ^(03 20)

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

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Footings And Slabs, Reinforcing Steel** ^(03 21 11)

Note: Includes Bar Chairs.

03 21 11 00-0002	TON		Up To #6, Grade 40, Footings And Slabs, Reinforcing Steel	2,329.05	
			<i>For Epoxy Coated, Add</i>	677.59	
			<i>For Stainless Steel, Add</i>	2,021.99	
			<i>For Galvanized, Add</i>	359.46	
03 21 11 00-0003	TON		>#6, Grade 40, Footings And Slabs, Reinforcing Steel	2,108.88	
			<i>For Epoxy Coated, Add</i>	626.03	
			<i>For Stainless Steel, Add</i>	1,868.13	
			<i>For Galvanized, Add</i>	332.11	
03 21 11 00-0004	TON		Up To #6, Grade 50, Footings And Slabs, Reinforcing Steel	2,368.12	
			<i>For Epoxy Coated, Add</i>	707.05	
			<i>For Stainless Steel, Add</i>	2,109.89	
			<i>For Galvanized, Add</i>	375.09	
03 21 11 00-0005	TON		>#6, Grade 50, Footings And Slabs, Reinforcing Steel	2,153.81	
			<i>For Epoxy Coated, Add</i>	659.91	
			<i>For Stainless Steel, Add</i>	1,969.22	
			<i>For Galvanized, Add</i>	350.08	
03 21 11 00-0006	TON		Up To #6, Grade 60, Footings And Slabs, Reinforcing Steel	2,403.28	
			<i>For Epoxy Coated, Add</i>	733.56	
			<i>For Stainless Steel, Add</i>	2,189.00	
			<i>For Galvanized, Add</i>	389.16	
03 21 11 00-0007	TON		>#6, Grade 60, Footings And Slabs, Reinforcing Steel	2,216.33	
			<i>For Epoxy Coated, Add</i>	707.05	
			<i>For Stainless Steel, Add</i>	2,109.89	
			<i>For Galvanized, Add</i>	375.09	
03 21 11 00-0008	TON		Up To #6, Grade 70, Footings And Slabs, Reinforcing Steel	2,436.49	
			<i>For Epoxy Coated, Add</i>	758.60	
			<i>For Stainless Steel, Add</i>	2,263.73	
			<i>For Galvanized, Add</i>	402.44	



Concrete	03	CS
Concrete Reinforcing	03 20	
Reinforcing Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0009 TON >#6, Grade 70, Footings And Slabs, Reinforcing Steel.....	2,226.10	
For Epoxy Coated, Add	714.42	
For Stainless Steel, Add	2,131.88	
For Galvanized, Add	379.00	
03 21 11 00-0010 Beams, Columns And Walls, Reinforcing Steel (03 21 11)		
03 21 11 00-0011 Beams, Columns And Walls, Reinforcing Steel (03 21 11 00-0010)		
03 21 11 00-0012 TON Up To #6, Grade 50, Beams, Columns And Walls, Reinforcing Steel.....	2,381.83	
For Epoxy Coated, Add	717.39	
For Stainless Steel, Add	2,140.74	
For Galvanized, Add	380.58	
03 21 11 00-0013 TON >#6, Grade 50, Beams, Columns And Walls, Reinforcing Steel	2,166.77	
For Epoxy Coated, Add	669.68	
For Stainless Steel, Add	1,998.38	
For Galvanized, Add	355.27	
03 21 11 00-0014 TON Up To #6, Grade 60, Beams, Columns And Walls, Reinforcing Steel.....	2,428.06	
For Epoxy Coated, Add	752.24	
For Stainless Steel, Add	2,244.76	
For Galvanized, Add	399.07	
03 21 11 00-0015 TON >#6, Grade 60, Beams, Columns And Walls, Reinforcing Steel	2,251.94	
For Epoxy Coated, Add	733.90	
For Stainless Steel, Add	2,190.02	
For Galvanized, Add	389.34	
03 21 11 00-0016 TON Up To #6, Grade 70, Beams, Columns And Walls, Reinforcing Steel.....	2,508.36	
For Epoxy Coated, Add	812.79	
For Stainless Steel, Add	2,425.43	
For Galvanized, Add	431.19	
03 21 11 00-0017 TON >#6, Grade 70, Beams, Columns And Walls, Reinforcing Steel	2,293.31	
For Epoxy Coated, Add	765.09	
For Stainless Steel, Add	2,283.10	
For Galvanized, Add	405.88	
03 21 11 00-0018 Mechanical Joint Connection (03 21 11 00-0010)		
03 21 11 00-0019 Thermal Type Mechanical Joint Connection (03 21 11 00-0018)		
03 21 11 00-0020 EA Thermal Type Mechanical Joint Connection, Add Per Splice	150.39	
03 21 11 00-0021 Screwed Type Mechanical Joint Connection (03 21 11 00-0018)		
03 21 11 00-0022 EA Screwed Type Mechanical Joint Connection, Add Per Splice	82.93	
03 21 11 00-0023 Spirals, Reinforcing Steel (03 21 11 00-0010)		
03 21 11 00-0024 TON Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,450.56	
03 21 11 00-0025 TON >15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,419.74	
03 21 11 00-0026 TON >24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,419.74	
03 21 11 00-0027 TON >36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,357.81	
03 21 11 00-0028 TON >48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,305.84	
03 21 11 00-0029 TON >64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,307.71	
03 21 11 00-0030 TON >84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,264.21	
03 21 11 00-0031 Dowels (03 21 11)		
Note: Includes grout. See CSI section 05 05 19 00-0181 for chemical adhesive.		
03 21 11 00-0032 Deformed Straight Dowels (03 21 11 00-0031)		
03 21 11 00-0033 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel	1.90	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	1.80	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.73	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.06	
For >12" To <24" Length, Deduct	-0.12	
For Up To 12" Length, Deduct	-0.23	
03 21 11 00-0034 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel	2.27	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.04	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.97	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.35	
For >12" To <24" Length, Deduct	-0.15	
For Up To 12" Length, Deduct	-0.30	
03 21 11 00-0035 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel	2.79	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.15	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.07	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.47	
For >12" To <24" Length, Deduct	-0.24	
For Up To 12" Length, Deduct	-0.48	
03 21 11 00-0036 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel	3.42	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.26	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.18	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.60	
For >12" To <24" Length, Deduct	-0.35	
For Up To 12" Length, Deduct	-0.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0037	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel	4.05	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.20	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.12	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.53	
			<i>For >12" To <24" Length, Deduct</i>	-0.48	
			<i>For Up To 12" Length, Deduct</i>	-0.97	
03 21 11 00-0038	EA		1" Diameter x 24" Long, Deformed Straight Dowel	5.11	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.69	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.59	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.10	
			<i>For >12" To <24" Length, Deduct</i>	-0.62	
			<i>For Up To 12" Length, Deduct</i>	-1.24	
03 21 11 00-0039	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.05	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.97	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.86	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.41	
			<i>For >12" To <24" Length, Deduct</i>	-0.77	
			<i>For Up To 12" Length, Deduct</i>	-1.53	
03 21 11 00-0040	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.42	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.23	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.11	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.71	
			<i>For >12" To <24" Length, Deduct</i>	-1.00	
			<i>For Up To 12" Length, Deduct</i>	-2.00	
03 21 11 00-0041	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel	8.83	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.53	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.39	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	4.06	
			<i>For >12" To <24" Length, Deduct</i>	-1.24	
			<i>For Up To 12" Length, Deduct</i>	-2.47	
03 21 11 00-0042			Epoxy Coated Deformed Straight Dowels <small>(03 21 11 00-0031)</small>	2.25	
03 21 11 00-0043	EA		3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	1.95	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	1.88	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.24	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	-0.16	
			<i>For >12" To <24" Length, Deduct</i>	-0.32	
			<i>For Up To 12" Length, Deduct</i>		
03 21 11 00-0044	EA		1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.74	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.04	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	1.97	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.35	
			<i>For >12" To <24" Length, Deduct</i>	-0.25	
			<i>For Up To 12" Length, Deduct</i>	-0.49	
03 21 11 00-0045	EA		5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.42	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.15	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.07	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.47	
			<i>For >12" To <24" Length, Deduct</i>	-0.37	
			<i>For Up To 12" Length, Deduct</i>	-0.73	
03 21 11 00-0046	EA		3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.11	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.26	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.18	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.60	
			<i>For >12" To <24" Length, Deduct</i>	-0.49	
			<i>For Up To 12" Length, Deduct</i>	-0.97	
03 21 11 00-0047	EA		7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.14	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.46	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.37	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.83	
			<i>For >12" To <24" Length, Deduct</i>	-0.66	
			<i>For Up To 12" Length, Deduct</i>	-1.32	
03 21 11 00-0048	EA		1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.09	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.69	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.59	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.10	
			<i>For >12" To <24" Length, Deduct</i>	-0.82	
			<i>For Up To 12" Length, Deduct</i>	-1.63	
03 21 11 00-0049	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.27	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.11	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.99	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.58	
			<i>For >12" To <24" Length, Deduct</i>	-0.99	
			<i>For Up To 12" Length, Deduct</i>	-1.98	
03 21 11 00-0050	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.73	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.66	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.52	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	4.21	
			<i>For >12" To <24" Length, Deduct</i>	-1.20	
			<i>For Up To 12" Length, Deduct</i>	-2.39	
03 21 11 00-0051			Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0052	EA		Up To #6 Reinforcing Steel Weld Splice	30.99	
			<i>For Resistance Weld, Add</i>	14.24	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcing Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0053 EA >#6 Reinforcing Steel Weld Splice..... <i>For Resistance Weld, Add</i>	44.85 20.61	
03 21 11 00-0054 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	23.03	
03 21 11 00-0055 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	33.63	
03 21 11 00-0056 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	48.52	

03 22 Fabric And Grid Reinforcing (03 20)

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

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 11 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W1.4 x W1.4)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	0.61 -0.09 0.06 0.13	
03 22 11 00-0003 SF 6" x 6" x #8, 30 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.0 x W2.0)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	0.76 -0.11 0.10 0.21	
03 22 11 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.9 x W2.9)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	0.88 -0.13 0.14 0.27	
03 22 11 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W4.0 x W4.0)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	1.06 -0.15 0.19 0.38	
03 22 11 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W1.4 x W1.4)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	0.84 -0.12 0.14 0.27	
03 22 11 00-0007 SF 4" x 4" x #8, 44 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.0 x W2.0)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	0.95 -0.13 0.16 0.33	
03 22 11 00-0008 SF 4" x 4" x #6, 61 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W3.0 x W3.0)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	1.08 -0.15 0.20 0.41	
03 22 11 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W4.0 x W4.0)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	1.28 -0.17 0.26 0.53	
03 22 11 00-0010 SF 2" x 2" x #12, 21 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W0.9 x W0.9)..... <i>For >5 Ton, Deduct</i> <i>For Galvanized, Add</i> <i>For Epoxy Coated, Add</i>	1.47 -0.18 0.39 0.78	

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

03 22 13 00-0001 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002 CSF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns..... <i>For >5 Ton, Deduct</i>	304.15 -46.53	
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03 30 Cast-In-Place Concrete (03)

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

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

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

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

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

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

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.83	
			For 2,000 PSI Concrete, Deduct	-0.16	
			For 2,500 PSI Concrete, Deduct	-0.08	
			For 3,500 PSI Concrete, Add	0.06	
			For 4,000 PSI Concrete, Add	0.18	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.33	
			For >500 To 1,000, Add	1.60	
			For >1,000 To 2,000, Add	0.87	
			For >2,000 To 5,000, Add	0.44	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000 To 35,000, Deduct	-0.29	
			For >35,000 To 50,000, Deduct	-0.44	
			For >50,000 To 70,000, Deduct	-0.58	
			For >70,000, Deduct	-0.73	
03 31	13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.36	
			For 2,000 PSI Concrete, Deduct	-0.18	
			For 2,500 PSI Concrete, Deduct	-0.09	
			For 3,500 PSI Concrete, Add	0.06	
			For 4,000 PSI Concrete, Add	0.21	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.48	
			For >500 To 1,000, Add	1.71	
			For >1,000 To 2,000, Add	0.94	
			For >2,000 To 5,000, Add	0.47	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000 To 35,000, Deduct	-0.33	
			For >35,000 To 50,000, Deduct	-0.48	
			For >50,000 To 70,000, Deduct	-0.64	
			For >70,000, Deduct	-0.80	
03 31	13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.13	
			For 2,000 PSI Concrete, Deduct	-0.21	
			For 2,500 PSI Concrete, Deduct	-0.11	
			For 3,500 PSI Concrete, Add	0.07	
			For 4,000 PSI Concrete, Add	0.25	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.72	
			For >500 To 1,000, Add	1.88	
			For >1,000 To 2,000, Add	1.04	
			For >2,000 To 5,000, Add	0.52	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000 To 35,000, Deduct	-0.37	
			For >35,000 To 50,000, Deduct	-0.55	
			For >50,000 To 70,000, Deduct	-0.73	
			For >70,000, Deduct	-0.91	
03 31	13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.85	
			For 2,000 PSI Concrete, Deduct	-0.24	
			For 2,500 PSI Concrete, Deduct	-0.12	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.28	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.92	
			For >500 To 1,000, Add	2.02	
			For >1,000 To 2,000, Add	1.12	
			For >2,000 To 5,000, Add	0.56	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000 To 35,000, Deduct	-0.42	
			For >35,000 To 50,000, Deduct	-0.62	
			For >50,000 To 70,000, Deduct	-0.81	
			For >70,000, Deduct	-1.01	
03 31	13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.46	
			For 2,000 PSI Concrete, Deduct	-0.27	
			For 2,500 PSI Concrete, Deduct	-0.13	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.31	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.09	
			For >500 To 1,000, Add	2.14	
			For >1,000 To 2,000, Add	1.20	
			For >2,000 To 5,000, Add	0.60	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000 To 35,000, Deduct	-0.46	
			For >35,000 To 50,000, Deduct	-0.67	
			For >50,000 To 70,000, Deduct	-0.88	
			For >70,000, Deduct	-1.09	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008 SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.04	
For 2,000 PSI Concrete, Deduct	-0.34	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.39	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.52	
For >500 To 1,000, Add	2.45	
For >1,000 To 2,000, Add	1.38	
For >2,000 To 5,000, Add	0.69	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 35,000, Deduct	-0.56	
For >35,000 To 50,000, Deduct	-0.82	
For >50,000 To 70,000, Deduct	-1.07	
For >70,000, Deduct	-1.32	
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.27	
For 2,000 PSI Concrete, Deduct	-0.39	
For 2,500 PSI Concrete, Deduct	-0.19	
For 3,500 PSI Concrete, Add	0.14	
For 4,000 PSI Concrete, Add	0.45	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.87	
For >500 To 1,000, Add	2.70	
For >1,000 To 2,000, Add	1.53	
For >2,000 To 5,000, Add	0.77	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000 To 35,000, Deduct	-0.64	
For >35,000 To 50,000, Deduct	-0.92	
For >50,000 To 70,000, Deduct	-1.21	
For >70,000, Deduct	-1.49	
03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
<small>Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.</small>		
03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
<small>Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.</small>		
03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	211.69	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	36.38	
For >20 To 50, Add	13.64	
For >100 To 200, Deduct	-4.23	
For >200 To 400, Deduct	-8.47	
For >400, Deduct	-12.70	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	162.92	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	16.87	
For >20 To 50, Add	6.33	
For >100 To 200, Deduct	-3.26	
For >200 To 400, Deduct	-6.52	
For >400, Deduct	-9.78	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	170.97
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	16.06
		For >20 To 50, Add	6.02
		For >100 To 200, Deduct	-3.42
		For >200 To 400, Deduct	-6.84
		For >400, Deduct	-10.26
03 31 13 00-0016		Place Concrete Continuous Footings (03 31 13 00-0011)	
03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	201.59
		For 2,000 PSI Concrete, Deduct	-6.52
		For 2,500 PSI Concrete, Deduct	-3.26
		For 3,500 PSI Concrete, Add	6.04
		For 3,750 PSI Concrete, Add	8.21
		For 4,000 PSI Concrete, Add	10.38
		For 4,500 PSI Concrete, Add	12.08
		For 5,000 PSI Concrete, Add	13.77
		For 6,000 PSI Concrete, Add	32.60
		For 7,500 PSI Concrete, Add	80.96
		For White Cement Concrete, Add	14.49
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
		For High Early Strength, Type 3 ASTM C150, Add	12.08
		For Lightweight Aggregate, ASTM C330, Add	36.23
		For Up To 20, Add	32.34
		For >20 To 50, Add	12.13
		For >100 To 200, Deduct	-4.03
		For >200 To 400, Deduct	-8.06
		For >400, Deduct	-12.10
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	158.24
		For 2,000 PSI Concrete, Deduct	-6.52
		For 2,500 PSI Concrete, Deduct	-3.26
		For 3,500 PSI Concrete, Add	6.04
		For 3,750 PSI Concrete, Add	8.21
		For 4,000 PSI Concrete, Add	10.38
		For 4,500 PSI Concrete, Add	12.08
		For 5,000 PSI Concrete, Add	13.77
		For 6,000 PSI Concrete, Add	32.60
		For 7,500 PSI Concrete, Add	80.96
		For White Cement Concrete, Add	14.49
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
		For High Early Strength, Type 3 ASTM C150, Add	12.08
		For Lightweight Aggregate, ASTM C330, Add	36.23
		For Up To 20, Add	15.00
		For >20 To 50, Add	5.62
		For >100 To 200, Deduct	-3.16
		For >200 To 400, Deduct	-6.33
		For >400, Deduct	-9.49
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	166.52
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	14.28
		For >20 To 50, Add	5.36
		For >100 To 200, Deduct	-3.33
		For >200 To 400, Deduct	-6.66
		For >400, Deduct	-9.99
03 31 13 00-0020		Place Concrete Spread Footings (03 31 13 00-0011)	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	257.16	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	54.56	
For >20 To 50, Add	20.46	
For >100 To 200, Deduct	-5.14	
For >200 To 400, Deduct	-10.29	
For >400, Deduct	-15.43	
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	184.01	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	25.30	
For >20 To 50, Add	9.49	
For >100 To 200, Deduct	-3.68	
For >200 To 400, Deduct	-7.36	
For >400, Deduct	-11.04	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	191.07	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	24.10	
For >20 To 50, Add	9.04	
For >100 To 200, Deduct	-3.82	
For >200 To 400, Deduct	-7.64	
For >400, Deduct	-11.46	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	145.00	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	9.70	
For >20 To 50, Add	3.64	
For >100 To 200, Deduct	-2.90	
For >200 To 400, Deduct	-5.80	
For >400, Deduct	-8.70	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0026	CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	132.00
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	4.50
	<i>For >20 To 50, Add</i>	1.69
	<i>For >100 To 200, Deduct</i>	-2.64
	<i>For >200 To 400, Deduct</i>	-5.28
	<i>For >400, Deduct</i>	-7.92
03 31 13 00-0027	CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	140.19
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For 7,500 PSI Concrete, Add</i>	87.71
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	3.75
	<i>For >20 To 50, Add</i>	1.41
	<i>For >100 To 200, Deduct</i>	-2.80
	<i>For >200 To 400, Deduct</i>	-5.61
	<i>For >400, Deduct</i>	-8.41
03 31 13 00-0028	Place Concrete Grade Beams <small>(03 31 13 00-0011)</small>	
03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	185.42
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	25.87
	<i>For >20 To 50, Add</i>	9.70
	<i>For >100 To 200, Deduct</i>	-3.71
	<i>For >200 To 400, Deduct</i>	-7.42
	<i>For >400, Deduct</i>	-11.13
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	150.74
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	12.00
	<i>For >20 To 50, Add</i>	4.50
	<i>For >100 To 200, Deduct</i>	-3.01
	<i>For >200 To 400, Deduct</i>	-6.03
	<i>For >400, Deduct</i>	-9.04



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	159.38	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	11.43	
For >20 To 50, Add	4.29	
For >100 To 200, Deduct	-3.19	
For >200 To 400, Deduct	-6.38	
For >400, Deduct	-9.56	
03 31 13 00-0032 Place Concrete Slab On Grade (03 31 13 00-0011)		
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	186.94	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	26.48	
For >20 To 50, Add	9.93	
For >100 To 200, Deduct	-3.74	
For >200 To 400, Deduct	-7.48	
For >400, Deduct	-11.22	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	170.98	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	20.09	
For >20 To 50, Add	7.53	
For >100 To 200, Deduct	-3.42	
For >200 To 400, Deduct	-6.84	
For >400, Deduct	-10.26	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	151.45	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	12.28	
For >20 To 50, Add	4.61	
For >100 To 200, Deduct	-3.03	
For >200 To 400, Deduct	-6.06	
For >400, Deduct	-9.09	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	144.04
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
		<i>For 3,500 PSI Concrete, Add</i>	6.04
		<i>For 3,750 PSI Concrete, Add</i>	8.21
		<i>For 4,000 PSI Concrete, Add</i>	10.38
		<i>For 4,500 PSI Concrete, Add</i>	12.08
		<i>For 5,000 PSI Concrete, Add</i>	13.77
		<i>For 6,000 PSI Concrete, Add</i>	32.60
		<i>For 7,500 PSI Concrete, Add</i>	80.96
		<i>For White Cement Concrete, Add</i>	14.49
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
		<i>For Up To 20, Add</i>	9.32
		<i>For >20 To 50, Add</i>	3.49
		<i>For >100 To 200, Deduct</i>	-2.88
		<i>For >200 To 400, Deduct</i>	-5.76
		<i>For >400, Deduct</i>	-8.64
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	156.39
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
		<i>For 3,500 PSI Concrete, Add</i>	6.54
		<i>For 3,750 PSI Concrete, Add</i>	8.90
		<i>For 4,000 PSI Concrete, Add</i>	11.25
		<i>For 4,500 PSI Concrete, Add</i>	13.08
		<i>For 5,000 PSI Concrete, Add</i>	14.91
		<i>For 6,000 PSI Concrete, Add</i>	35.32
		<i>For 7,500 PSI Concrete, Add</i>	87.71
		<i>For White Cement Concrete, Add</i>	15.70
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
		<i>For Up To 20, Add</i>	10.23
		<i>For >20 To 50, Add</i>	3.84
		<i>For >100 To 200, Deduct</i>	-3.13
		<i>For >200 To 400, Deduct</i>	-6.26
		<i>For >400, Deduct</i>	-9.38
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	150.22
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
		<i>For 3,500 PSI Concrete, Add</i>	6.54
		<i>For 3,750 PSI Concrete, Add</i>	8.90
		<i>For 4,000 PSI Concrete, Add</i>	11.25
		<i>For 4,500 PSI Concrete, Add</i>	13.08
		<i>For 5,000 PSI Concrete, Add</i>	14.91
		<i>For 6,000 PSI Concrete, Add</i>	35.32
		<i>For 7,500 PSI Concrete, Add</i>	87.71
		<i>For White Cement Concrete, Add</i>	15.70
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
		<i>For Up To 20, Add</i>	7.76
		<i>For >20 To 50, Add</i>	2.91
		<i>For >100 To 200, Deduct</i>	-3.00
		<i>For >200 To 400, Deduct</i>	-6.01
		<i>For >400, Deduct</i>	-9.01

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

03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	146.15
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
		<i>For 3,500 PSI Concrete, Add</i>	6.04
		<i>For 3,750 PSI Concrete, Add</i>	8.21
		<i>For 4,000 PSI Concrete, Add</i>	10.38
		<i>For 4,500 PSI Concrete, Add</i>	12.08
		<i>For 5,000 PSI Concrete, Add</i>	13.77
		<i>For 6,000 PSI Concrete, Add</i>	32.60
		<i>For 7,500 PSI Concrete, Add</i>	80.96
		<i>For White Cement Concrete, Add</i>	14.49
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
		<i>For Up To 20, Add</i>	10.16
		<i>For >20 To 50, Add</i>	3.81
		<i>For >100 To 200, Deduct</i>	-2.92
		<i>For >200 To 400, Deduct</i>	-5.85
		<i>For >400, Deduct</i>	-8.77

03 31 13 00-0041 Place Concrete Stairs (03 31 13 00-0011)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0042 CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	418.56	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	119.12	
For >20 To 50, Add	44.67	
For >100 To 200, Deduct	-8.37	
For >200 To 400, Deduct	-16.74	
For >400, Deduct	-25.11	
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	258.88	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	55.25	
For >20 To 50, Add	20.72	
For >100 To 200, Deduct	-5.18	
For >200 To 400, Deduct	-10.36	
For >400, Deduct	-15.53	
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	245.93	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	46.05	
For >20 To 50, Add	17.27	
For >100 To 200, Deduct	-4.92	
For >200 To 400, Deduct	-9.84	
For >400, Deduct	-14.76	
03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill (03 31 13 00-0011)		
03 31 13 00-0046 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	188.23	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
03 31 13 00-0047 Place Concrete Slurry (03 31 13 00-0011)		
Note: 2 bag cement per CY.		
03 31 13 00-0048 CY Direct Chute, Place 1,200 PSI Concrete Slurry	173.14	
03 31 13 00-0049 CY Concrete Pump, Place 1,200 PSI Concrete Slurry	161.87	
Note: Excludes pumping equipment.		
03 31 13 00-0050 Hand Mix And Place Concrete (03 31 13 00-0011)		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051	CF		Hand Mix And Place Concrete.....	26.13	
			Note: For use where conventional equipment access is limited or when directed by the owner.		
			For 2,000 PSI Concrete, Deduct	-0.28	
			For 2,500 PSI Concrete, Deduct	-0.14	
			For 3,500 PSI Concrete, Add	0.26	
03 31 13 00-0052			Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
			See CSI section 03 31 13 00-0088 for concrete pump truck.		
03 31 13 00-0053			Place Elevated Concrete Beams (03 31 13 00-0052)		
03 31 13 00-0054	CY		Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	282.43	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For 7,500 PSI Concrete, Add	80.96	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	64.67	
			For >20 To 50, Add	24.25	
			For >100 To 200, Deduct	-5.65	
			For >200 To 400, Deduct	-11.30	
			For >400, Deduct	-16.95	
03 31 13 00-0055	CY		Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	202.21	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.06	
			For 2,500 PSI Concrete, Deduct	-3.53	
			For 3,500 PSI Concrete, Add	6.54	
			For 3,750 PSI Concrete, Add	8.90	
			For 4,000 PSI Concrete, Add	11.25	
			For 4,500 PSI Concrete, Add	13.08	
			For 5,000 PSI Concrete, Add	14.91	
			For 6,000 PSI Concrete, Add	35.32	
			For 7,500 PSI Concrete, Add	87.71	
			For White Cement Concrete, Add	15.70	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
			For High Early Strength, Type 3 ASTM C150, Add	13.08	
			For Lightweight Aggregate, ASTM C330, Add	39.24	
			For Up To 20, Add	28.56	
			For >20 To 50, Add	10.71	
			For >100 To 200, Deduct	-4.04	
			For >200 To 400, Deduct	-8.09	
			For >400, Deduct	-12.13	
03 31 13 00-0056			Place Elevated Concrete Slab (03 31 13 00-0052)		
03 31 13 00-0057	CY		Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	196.87	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For 7,500 PSI Concrete, Add	80.96	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	30.45	
			For >20 To 50, Add	11.42	
			For >100 To 200, Deduct	-3.94	
			For >200 To 400, Deduct	-7.87	
			For >400, Deduct	-11.81	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0058 CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	178.50	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	23.10	
For >20 To 50, Add	8.66	
For >100 To 200, Deduct	-3.57	
For >200 To 400, Deduct	-7.14	
For >400, Deduct	-10.71	
03 31 13 00-0059 CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	164.43	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	13.45	
For >20 To 50, Add	5.04	
For >100 To 200, Deduct	-3.29	
For >200 To 400, Deduct	-6.58	
For >400, Deduct	-9.87	
03 31 13 00-0060 CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	156.32	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	10.20	
For >20 To 50, Add	3.83	
For >100 To 200, Deduct	-3.13	
For >200 To 400, Deduct	-6.25	
For >400, Deduct	-9.38	
03 31 13 00-0061 Place Concrete Columns <small>(03 31 13 00-0052)</small>		
03 31 13 00-0062 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	295.36	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	69.84	
For >20 To 50, Add	26.19	
For >100 To 200, Deduct	-5.91	
For >200 To 400, Deduct	-11.81	
For >400, Deduct	-17.72	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0063	CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	247.67
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	50.77
	<i>For >20 To 50, Add</i>	19.04
	<i>For >100 To 200, Deduct</i>	-4.95
	<i>For >200 To 400, Deduct</i>	-9.91
	<i>For >400, Deduct</i>	-14.86
03 31 13 00-0064	CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	213.56
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	37.12
	<i>For >20 To 50, Add</i>	13.92
	<i>For >100 To 200, Deduct</i>	-4.27
	<i>For >200 To 400, Deduct</i>	-8.54
	<i>For >400, Deduct</i>	-12.81
03 31 13 00-0065	CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	198.35
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	31.04
	<i>For >20 To 50, Add</i>	11.64
	<i>For >100 To 200, Deduct</i>	-3.97
	<i>For >200 To 400, Deduct</i>	-7.93
	<i>For >400, Deduct</i>	-11.90
03 31 13 00-0066	CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	207.93
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For 7,500 PSI Concrete, Add</i>	87.71
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	30.85
	<i>For >20 To 50, Add</i>	11.57
	<i>For >100 To 200, Deduct</i>	-4.16
	<i>For >200 To 400, Deduct</i>	-8.32
	<i>For >400, Deduct</i>	-12.48



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0067 CY 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	186.87	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	22.42	
For >20 To 50, Add	8.41	
For >100 To 200, Deduct	-3.74	
For >200 To 400, Deduct	-7.47	
For >400, Deduct	-11.21	
03 31 13 00-0068 CY 24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	171.79	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	16.39	
For >20 To 50, Add	6.15	
For >100 To 200, Deduct	-3.44	
For >200 To 400, Deduct	-6.87	
For >400, Deduct	-10.31	
03 31 13 00-0069 CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	165.08	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	13.71	
For >20 To 50, Add	5.14	
For >100 To 200, Deduct	-3.30	
For >200 To 400, Deduct	-6.60	
For >400, Deduct	-9.90	
03 31 13 00-0070 Place Concrete Walls (03 31 13 00-0052)		
03 31 13 00-0071 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	284.45	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	65.48	
For >20 To 50, Add	24.56	
For >100 To 200, Deduct	-5.69	
For >200 To 400, Deduct	-11.38	
For >400, Deduct	-17.07	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0072	CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	270.88
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	60.05
	For >20 To 50, Add	22.52
	For >100 To 200, Deduct	-5.42
	For >200 To 400, Deduct	-10.84
	For >400, Deduct	-16.25
03 31 13 00-0073	CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	235.34
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	45.84
	For >20 To 50, Add	17.19
	For >100 To 200, Deduct	-4.71
	For >200 To 400, Deduct	-9.41
	For >400, Deduct	-14.12
03 31 13 00-0074	CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	196.66
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	30.36
	For >20 To 50, Add	11.39
	For >100 To 200, Deduct	-3.93
	For >200 To 400, Deduct	-7.87
	For >400, Deduct	-11.80
03 31 13 00-0075	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	181.48
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	24.29
	For >20 To 50, Add	9.11
	For >100 To 200, Deduct	-3.63
	For >200 To 400, Deduct	-7.26
	For >400, Deduct	-10.89



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0076 CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	173.89	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	21.26	
For >20 To 50, Add	7.97	
For >100 To 200, Deduct	-3.48	
For >200 To 400, Deduct	-6.96	
For >400, Deduct	-10.43	
03 31 13 00-0077 CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	203.11	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	28.92	
For >20 To 50, Add	10.85	
For >100 To 200, Deduct	-4.06	
For >200 To 400, Deduct	-8.12	
For >400, Deduct	-12.19	
03 31 13 00-0078 CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	188.65	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	23.14	
For >20 To 50, Add	8.68	
For >100 To 200, Deduct	-3.77	
For >200 To 400, Deduct	-7.55	
For >400, Deduct	-11.32	
03 31 13 00-0079 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	181.42	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	20.24	
For >20 To 50, Add	7.59	
For >100 To 200, Deduct	-3.63	
For >200 To 400, Deduct	-7.26	
For >400, Deduct	-10.89	

03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0081	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	451.69
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	132.38
	For >20 To 50, Add	49.64
	For >100 To 200, Deduct	-9.03
	For >200 To 400, Deduct	-18.07
	For >400, Deduct	-27.10
03 31 13 00-0082	CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	274.21
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	61.38
	For >20 To 50, Add	23.02
	For >100 To 200, Deduct	-5.48
	For >200 To 400, Deduct	-10.97
	For >400, Deduct	-16.45
03 31 13 00-0083	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	258.70
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-7.06
	For 2,500 PSI Concrete, Deduct	-3.53
	For 3,500 PSI Concrete, Add	6.54
	For 3,750 PSI Concrete, Add	8.90
	For 4,000 PSI Concrete, Add	11.25
	For 4,500 PSI Concrete, Add	13.08
	For 5,000 PSI Concrete, Add	14.91
	For 6,000 PSI Concrete, Add	35.32
	For 7,500 PSI Concrete, Add	87.71
	For White Cement Concrete, Add	15.70
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
	For High Early Strength, Type 3 ASTM C150, Add	13.08
	For Lightweight Aggregate, ASTM C330, Add	39.24
	For Up To 20, Add	51.16
	For >20 To 50, Add	19.18
	For >100 To 200, Deduct	-5.17
	For >200 To 400, Deduct	-10.35
	For >400, Deduct	-15.52
03 31 13 00-0084	Place Concrete Coping <small>(03 31 13 00-0052)</small>	463.12
03 31 13 00-0085	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	463.12
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	136.95
	For >20 To 50, Add	51.36
	For >100 To 200, Deduct	-9.26
	For >200 To 400, Deduct	-18.52
	For >400, Deduct	-27.79



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0086 CY Direct Chute, Place 3,000 PSI Concrete Coping	273.19	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	60.98	
For >20 To 50, Add	22.87	
For >100 To 200, Deduct	-5.46	
For >200 To 400, Deduct	-10.93	
For >400, Deduct	-16.39	
03 31 13 00-0087 CY Concrete Pump, Place 3,000 PSI Concrete Coping	361.70	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	92.36	
For >20 To 50, Add	34.63	
For >100 To 200, Deduct	-7.23	
For >200 To 400, Deduct	-14.47	
For >400, Deduct	-21.70	
03 31 13 00-0088 Concrete Pumping With Boom Truck <small>(03 31 13 00-0010)</small>		
Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31 13 00-0089 HR 75' Boom Truck For Concrete Placement (70 CY Per Hour Rating)	212.17	
For Each CY Of Concrete Pumped, Add	1.25	
03 31 13 00-0090 HR 92' Boom Truck For Concrete Placement (70 CY Per Hour Rating)	248.73	
For Each CY Of Concrete Pumped, Add	1.50	
03 31 13 00-0091 HR 105' Boom Truck For Concrete Placement (90 CY Per Hour Rating)	285.29	
For Each CY Of Concrete Pumped, Add	1.50	
03 31 13 00-0092 HR 120' Boom Truck For Concrete Placement (90 CY Per Hour Rating)	356.13	
For Each CY Of Concrete Pumped, Add	1.75	
03 31 13 00-0093 HR 138' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	461.24	
03 31 13 00-0094 HR 150' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	505.80	
03 31 13 00-0095 HR 170' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	550.36	
For Each CY Of Concrete Pumped, Add	2.25	
03 31 13 00-0096 HR Trailer Mounted Concrete Pump	181.07	
Note: Includes hoses		
03 31 13 00-0097 Concrete Carts <small>(03 31 13 00-0010)</small>		
Note: Used to place concrete were necessary.		
03 31 13 00-0098 CY 50' Haul, Non Motorized, Concrete Buggy	18.62	
03 31 13 00-0099 CY 150' Haul, Non Motorized, Concrete Buggy	24.92	
03 31 13 00-0100 CY 250' Haul, Non Motorized, Concrete Buggy	33.25	
03 31 13 00-0101 CY 50' Haul, Motorized, Concrete Buggy	9.20	
03 31 13 00-0102 CY 150' Haul, Motorized, Concrete Buggy	12.33	
03 31 13 00-0103 CY 250' Haul, Motorized, Concrete Buggy	16.42	
03 31 13 00-0104 Delivery Fee For Small Purchases <small>(03 31 13)</small>		
03 31 13 00-0105 CY Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY	16.04	
Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31 13 00-0106 Delivery Fee For Concrete, Per Truck Load <small>(03 31 13)</small>		
03 31 13 00-0107 EA Concrete Delivery Fee, Per Truck.....	40.00	
Note: To be added to all concrete leaving concrete yard		
03 31 13 00-0108 Equipment Pads <small>(03 31 13)</small>		

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0109	Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0108)</small>		
	Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0110	SF 4" Equipment Pad With Welded Wire Reinforcement	13.24	
03 31 13 00-0111	SF 4" Equipment Pad With Rebar	16.29	
03 31 13 00-0112	SF 6" Equipment Pad With Rebar	20.57	
03 31 13 00-0113	SF 8" Equipment Pad With Rebar	25.91	

03 35 Concrete Finishing (03 35)

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

03 35 16 00-0001	Floor Finishes <small>(03 35 16)</small>		
	Note: Task is for final finish type and includes all required prior finishes.		
03 35 16 00-0002	SF Concrete Floor Finishes, Screed.....	0.71	
	For Up To 50 SF, Add	2.84	
	For >50 To 250, Add	0.71	
	For >2,500 To 7,500, Deduct	-0.07	
	For >7,500 To 10,000 SF, Deduct	-0.14	
	For >10,000 SF, Deduct	-0.18	
03 35 16 00-0003	SF Concrete Floor Finishes, Darby	0.85	
	For Up To 50 SF, Add	3.40	
	For >50 To 250, Add	0.85	
	For >2,500 To 7,500, Deduct	-0.09	
	For >7,500 To 10,000 SF, Deduct	-0.17	
	For >10,000 SF, Deduct	-0.21	
03 35 16 00-0004	SF Concrete Floor Finishes, Broom	0.94	
	For Up To 50 SF, Add	3.76	
	For >50 To 250, Add	0.94	
	For >2,500 To 7,500, Deduct	-0.09	
	For >7,500 To 10,000 SF, Deduct	-0.19	
	For >10,000 SF, Deduct	-0.24	
03 35 16 00-0005	SF Concrete Floor Finishes, Final Float	1.09	
	For Up To 50 SF, Add	4.36	
	For >50 To 250, Add	1.09	
	For >2,500 To 7,500, Deduct	-0.11	
	For >7,500 To 10,000 SF, Deduct	-0.22	
	For >10,000 SF, Deduct	-0.27	
03 35 16 00-0006	SF Concrete Floor Finishes, Steel Trowel	1.23	
	For Up To 50 SF, Add	4.92	
	For >50 To 250, Add	1.23	
	For >2,500 To 7,500, Deduct	-0.12	
	For >7,500 To 10,000 SF, Deduct	-0.25	
	For >10,000 SF, Deduct	-0.31	

03 35 23 Exposed Aggregate Concrete Finishing (03 35)

03 35 23 00-0001	Exposed Aggregate Concrete Finish <small>(03 35 23)</small>		
03 35 23 00-0002	SF Exposed Aggregate Concrete Floor Finish	2.44	
03 35 23 00-0003	Sand Blast Concrete Finish <small>(03 35 23)</small>		
03 35 23 00-0004	SF Up To 1/4" Aggregate Reveal, Sand Blast Concrete Finish	2.47	
03 35 23 00-0005	SF >1/4" To 1/2" Aggregate Reveal, Sand Blast Concrete Finish	4.94	

03 35 26 Grooved Concrete Surface Finishing (03 35)

03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing <small>(03 35 26)</small>		
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing	3.10	

03 35 29 Tooled Concrete Finishing (03 35)

03 35 29 00-0001	Solid Board Concrete Finish <small>(03 35 29)</small>		
03 35 29 00-0002	SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork	11.18	
03 35 29 00-0003	Marblecrete Finishes <small>(03 35 29)</small>		
03 35 29 00-0004	SF 2" Thick Marblecrete And Finish	29.13	
03 35 29 00-0005	SF 4" Thick Marblecrete And Finish	39.05	

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001	Stamped Finishes <small>(03 35 33)</small>		
03 35 33 00-0002	SF Up To 2,500 SF Stamped Finish	2.80	
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Finish	2.54	
03 35 33 00-0004	SF >10,000 SF Stamped Finish	2.42	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 39 Rusticated Concrete Finish (03 35)		
03 35 39 00-0001 Rusticated Concrete Finish (03 35 39)		
03 35 39 00-0002 SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork.....	5.13	
03 35 39 00-0003 SF Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork.....	6.72	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF.....	0.85	
For Up To 50 SF, Add	2.72	
For >50 To 250, Add	0.68	
For >2,500 To 7,500, Deduct	-0.07	
For >7,500 To 10,000 SF, Deduct	-0.14	
For >10,000 SF, Deduct	-0.17	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF.....	0.93	
For Up To 50 SF, Add	2.72	
For >50 To 250, Add	0.68	
For >2,500 To 7,500, Deduct	-0.07	
For >7,500 To 10,000 SF, Deduct	-0.14	
For >10,000 SF, Deduct	-0.17	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse.....	0.71	
For Up To 50 SF, Add	1.32	
For >50 To 250, Add	0.33	
For >2,500 To 7,500, Deduct	-0.03	
For >7,500 To 10,000 SF, Deduct	-0.07	
For >10,000 SF, Deduct	-0.08	
03 35 83 Wall Finishes (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		
03 35 83 00-0002 SF Wall Finishes, Burlap Rub With Grout.....	1.25	
For Up To 50 SF, Add	4.72	
For >50 To 250, Add	1.18	
For >2,500 To 7,500, Deduct	-0.12	
For >7,500 To 10,000 SF, Deduct	-0.24	
For >10,000 SF, Deduct	-0.30	
03 35 83 00-0003 SF Wall Finishes, 1/16" Float Finish.....	1.89	
For Up To 50 SF, Add	7.16	
For >50 To 250, Add	1.79	
For >2,500 To 7,500, Deduct	-0.18	
For >7,500 To 10,000 SF, Deduct	-0.36	
For >10,000 SF, Deduct	-0.45	
03 35 83 00-0004 SF Wall Finishes, Etch With Acid And Rinse.....	0.77	
For Up To 50 SF, Add	1.56	
For >50 To 250, Add	0.39	
For >2,500 To 7,500, Deduct	-0.04	
For >7,500 To 10,000 SF, Deduct	-0.08	
For >10,000 SF, Deduct	-0.10	
03 35 83 00-0005 SF Wall Finishes, Bush Hammer Green Concrete.....	3.80	
For Up To 50 SF, Add	15.08	
For >50 To 250, Add	3.77	
For >2,500 To 7,500, Deduct	-0.38	
For >7,500 To 10,000 SF, Deduct	-0.75	
For >10,000 SF, Deduct	-0.94	
03 35 83 00-0006 SF Wall Finishes, Bush Hammer Cured Concrete.....	5.90	
For Up To 50 SF, Add	23.32	
For >50 To 250, Add	5.83	
For >2,500 To 7,500, Deduct	-0.58	
For >7,500 To 10,000 SF, Deduct	-1.17	
For >10,000 SF, Deduct	-1.46	
03 35 83 00-0007 SF Wall Finishes, Break Ties And Patch.....	0.73	
For Up To 50 SF, Add	2.56	
For >50 To 250, Add	0.64	
For >2,500 To 7,500, Deduct	-0.06	
For >7,500 To 10,000 SF, Deduct	-0.13	
For >10,000 SF, Deduct	-0.16	
03 35 83 00-0008 SF Wall Finishes, Carborundum Dry Rub.....	2.47	
For Up To 50 SF, Add	9.52	
For >50 To 250, Add	2.38	
For >2,500 To 7,500, Deduct	-0.24	
For >7,500 To 10,000 SF, Deduct	-0.48	
For >10,000 SF, Deduct	-0.60	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0009	SF		Wall Finishes, Carborundum Wet Rub.....	3.75	
			<i>For Up To 50 SF, Add</i>	14.64	
			<i>For >50 To 250, Add</i>	3.66	
			<i>For >2,500 To 7,500, Deduct</i>	-0.37	
			<i>For >7,500 To 10,000 SF, Deduct</i>	-0.73	
			<i>For >10,000 SF, Deduct</i>	-0.92	
03 35 83 00-0010	SF		Wall Finishes, Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	8.15	
			<i>For Up To 50 SF, Add</i>	30.28	
			<i>For >50 To 250, Add</i>	7.57	
			<i>For >2,500 To 7,500, Deduct</i>	-0.76	
			<i>For >7,500 To 10,000 SF, Deduct</i>	-1.51	
			<i>For >10,000 SF, Deduct</i>	-1.89	
03 35 83 00-0011	SF		Wall Finishes, Light Sand Blast.....	1.82	
			Note: Not for use as sand blasting for existing material		
			<i>For Up To 50 SF, Add</i>	6.92	
			<i>For >50 To 250, Add</i>	1.73	
			<i>For >2,500 To 7,500, Deduct</i>	-0.17	
			<i>For >7,500 To 10,000 SF, Deduct</i>	-0.35	
			<i>For >10,000 SF, Deduct</i>	-0.43	

03 37 Specialty Placed Concrete (03 30)

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

03 37 13 Shotcrete (03 37)

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

03 37 13 00-0002	SF		1" Thick Shotcrete, Fiber Reinforced	3.76	
			<i>For Up To 25 SF, Add</i>	0.59	
			<i>For >25 To 50 SF, Add</i>	0.33	
			<i>For >50 To 150, Add</i>	0.11	
03 37 13 00-0003	SF		2" Thick Shotcrete, Fiber Reinforced	6.93	
			<i>For Up To 25 SF, Add</i>	1.04	
			<i>For >25 To 50 SF, Add</i>	0.58	
			<i>For >50 To 150, Add</i>	0.17	
03 37 13 00-0004	SF		3" Thick Shotcrete, Fiber Reinforced	10.33	
			<i>For Up To 25 SF, Add</i>	1.55	
			<i>For >25 To 50 SF, Add</i>	0.86	
			<i>For >50 To 150, Add</i>	0.26	
03 37 13 00-0005	SF		4" Thick Shotcrete, Fiber Reinforced	13.70	
			<i>For Up To 25 SF, Add</i>	2.06	
			<i>For >25 To 50 SF, Add</i>	1.14	
			<i>For >50 To 150, Add</i>	0.34	
03 37 13 00-0006	SF		6" Thick Shotcrete, Fiber Reinforced	19.63	
			<i>For Up To 25 SF, Add</i>	2.99	
			<i>For >25 To 50 SF, Add</i>	1.66	
			<i>For >50 To 150, Add</i>	0.51	

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

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

03 37 13 00-0008	SF		1" Thick Gunite	3.56	
			<i>For Radius Or Irregular Surface, Add</i>	0.79	
			<i>For Up To 25 SF, Add</i>	0.65	
			<i>For >25 To 50, Add</i>	0.38	
			<i>For >50 To 150 SF, Add</i>	0.15	
03 37 13 00-0009	SF		2" Thick Gunite	7.10	
			<i>For Radius Or Irregular Surface, Add</i>	1.58	
			<i>For Up To 25 SF, Add</i>	1.30	
			<i>For >25 To 50, Add</i>	0.75	
			<i>For >50 To 150 SF, Add</i>	0.30	
03 37 13 00-0010	SF		3" Thick Gunite	10.69	
			<i>For Radius Or Irregular Surface, Add</i>	2.38	
			<i>For Up To 25 SF, Add</i>	1.96	
			<i>For >25 To 50, Add</i>	1.13	
			<i>For >50 To 150 SF, Add</i>	0.45	
03 37 13 00-0011	SF		4" Thick Gunite	14.21	
			<i>For Radius Or Irregular Surface, Add</i>	3.16	
			<i>For Up To 25 SF, Add</i>	2.61	
			<i>For >25 To 50, Add</i>	1.50	
			<i>For >50 To 150 SF, Add</i>	0.59	

03 39 Concrete Curing (03 30)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	GAL		Water Based Curing, Sealing, Hardening And Dustproofing Compound	18.10	
			Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

03 39 23 Membrane Concrete Curing (03 39)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001	Concrete Curing Materials And Compounds (03 39 23 23)		
03 39 23 23-0002	CSF 7.5 Oz Burlap, Concrete Curing Blanket.....	29.25	
03 39 23 23-0003	CSF 9 Oz Burlap, Concrete Curing Blanket.....	28.86	
03 39 23 23-0004	CSF 12 Oz Burlap, Concrete Curing Blanket.....	31.35	
03 39 23 23-0005	CSF Concrete Curing, Waterproof Paper, 2 Ply Reinforced.....	28.37	
03 39 23 23-0006	CSF Curing Paper.....	9.35	

03 39 33 Concrete Surface Treatments (03 39)

03 39 33 00-0001	Concrete Surface Treatments (03 39 33)		
03 39 33 00-0002	LB Aluminum Oxide Anti Slip Abrasive Grit.....	1.46	
03 39 33 00-0003	GAL Acrylic Latex Bonding Agent, 250 SF Per Gallon.....	95.41	
03 39 33 00-0004	GAL Epoxy Resin Bonding Agent, 80 SF Per Gallon.....	162.32	
03 39 33 00-0005	TON Calcium Chloride, 100 LB Bags.....	644.08	
03 39 33 00-0006	BAG Calcium Chloride, 100 LB Bags.....	35.88	
03 39 33 00-0007	SF Clear Acrylic Sealer, Hardener And Dustproofer.....	0.22	
	Note: 300 SF/GAL.		
03 39 33 00-0008	SF Colored Acrylic Sealer, Hardener And Dustproofer.....	0.22	
	Note: 300 SF/GAL.		
03 39 33 00-0009	GAL Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon.....	65.49	
03 39 33 00-0010	GAL Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon.....	68.05	
03 39 33 00-0011	SF Water-Based, Silane/Siloxane Water Repellent (Prosoco Inc. Saltguard WB).....	0.29	
	Note: 200 SF/GAL		

03 39 33 00-0012 Shake On Floor Hardeners (03 39 33)

03 39 33 00-0013	SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	0.88	
03 39 33 00-0014	SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.35	
03 39 33 00-0015	SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.84	
03 39 33 00-0016	SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.01	

03 40 Precast Concrete (03)

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

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

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

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

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

03 41 16 00-0003	EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	258.57	206.87
03 41 16 00-0004	EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	287.44	229.91
03 41 16 00-0005	EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	305.21	244.15
03 41 16 00-0006	EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	323.57	258.86
03 41 16 00-0007	EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	346.27	277.01
03 41 16 00-0008	EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	370.08	296.06
03 41 16 00-0009	EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	397.40	317.89
03 41 16 00-0010	EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	432.21	345.74
03 41 16 00-0011	EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	469.94	375.99

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

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

03 41 16 00-0013	SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	10.09	
	For 3,500 PSI Concrete, Add	0.20	
	For 4,000 PSI Concrete, Add	0.30	
	For 4,500 PSI Concrete, Add	0.40	
	For 5,000 PSI Concrete, Add	0.61	
03 41 16 00-0014	SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	12.11	
	For 3,500 PSI Concrete, Add	0.24	
	For 4,000 PSI Concrete, Add	0.36	
	For 4,500 PSI Concrete, Add	0.48	
	For 5,000 PSI Concrete, Add	0.73	
03 41 16 00-0015	SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	14.80	
	For 3,500 PSI Concrete, Add	0.30	
	For 4,000 PSI Concrete, Add	0.44	
	For 4,500 PSI Concrete, Add	0.59	
	For 5,000 PSI Concrete, Add	0.89	
03 41 16 00-0016	SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	19.64	
	For 3,500 PSI Concrete, Add	0.39	
	For 4,000 PSI Concrete, Add	0.59	
	For 4,500 PSI Concrete, Add	0.79	
	For 5,000 PSI Concrete, Add	1.18	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 16 00-0017	Floor Units, Combination Beam And Slab <small>(03 41 16)</small>		
03 41 16 00-0018	Erection Costs For Using 90 Ton Crawler Crane <small>(03 41 16 00-0017)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	319.74	255.79
03 41 16 00-0020	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	348.51	278.84
03 41 16 00-0021	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane.....	385.19	308.12
03 41 16 00-0022	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane.....	427.71	342.14
03 41 16 00-0023	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	480.79	384.59
03 41 16 00-0024	Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 16 00-0017)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	404.51	323.63
03 41 16 00-0026	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	440.90	352.69
03 41 16 00-0027	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	487.30	389.88
03 41 16 00-0028	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	541.10	432.89
03 41 16 00-0029	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	608.25	486.64
03 41 16 00-0030	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	661.34	529.04
03 41 16 00-0031	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	730.96	584.76
03 41 16 00-0032	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	809.02	647.25
03 41 16 00-0033	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	915.70	732.56
03 41 16 00-0034	Material Cost <small>(03 41 16 00-0017)</small>		
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035	4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036	CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,062.58	
	For 3,500 PSI Concrete, Add	21.25	
	For 4,000 PSI Concrete, Add	31.88	
	For 4,500 PSI Concrete, Add	42.50	
	For 5,000 PSI Concrete, Add	63.75	
03 41 16 00-0037	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,076.04	
	For 3,500 PSI Concrete, Add	21.52	
	For 4,000 PSI Concrete, Add	32.28	
	For 4,500 PSI Concrete, Add	43.04	
	For 5,000 PSI Concrete, Add	64.56	
03 41 16 00-0038	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,210.54	
	For 3,500 PSI Concrete, Add	24.21	
	For 4,000 PSI Concrete, Add	36.32	
	For 4,500 PSI Concrete, Add	48.42	
	For 5,000 PSI Concrete, Add	72.63	
03 41 16 00-0039	5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040	CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,089.49	
	For 3,500 PSI Concrete, Add	21.79	
	For 4,000 PSI Concrete, Add	32.68	
	For 4,500 PSI Concrete, Add	43.58	
	For 5,000 PSI Concrete, Add	65.37	
03 41 16 00-0041	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,129.84	
	For 3,500 PSI Concrete, Add	22.60	
	For 4,000 PSI Concrete, Add	33.90	
	For 4,500 PSI Concrete, Add	45.19	
	For 5,000 PSI Concrete, Add	67.79	
03 41 16 00-0042	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,439.20	
	For 3,500 PSI Concrete, Add	28.78	
	For 4,000 PSI Concrete, Add	43.18	
	For 4,500 PSI Concrete, Add	57.57	
	For 5,000 PSI Concrete, Add	86.35	
03 41 16 00-0043	6" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044	CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,129.84	
	For 3,500 PSI Concrete, Add	22.60	
	For 4,000 PSI Concrete, Add	33.90	
	For 4,500 PSI Concrete, Add	45.19	
	For 5,000 PSI Concrete, Add	67.79	
03 41 16 00-0045	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,345.04	
	For 3,500 PSI Concrete, Add	26.90	
	For 4,000 PSI Concrete, Add	40.35	
	For 4,500 PSI Concrete, Add	53.80	
	For 5,000 PSI Concrete, Add	80.70	
03 41 16 00-0046	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,640.95	
	For 3,500 PSI Concrete, Add	32.82	
	For 4,000 PSI Concrete, Add	49.23	
	For 4,500 PSI Concrete, Add	65.64	
	For 5,000 PSI Concrete, Add	98.46	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 Precast Concrete Wall Panels (03 41)

03 41 19 00-0001	Structural Wall Panels (03 41 19)		
	Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002	Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	255.13	204.13
03 41 19 00-0004	EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	283.62	226.86
03 41 19 00-0005	EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	319.27	255.42
03 41 19 00-0006	EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	341.67	273.33
03 41 19 00-0007	EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	365.16	292.12
03 41 19 00-0008	EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	392.12	313.67
03 41 19 00-0009	EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	426.47	341.15
03 41 19 00-0010	EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	463.70	371.00

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

	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	287.63	230.08
03 41 19 00-0013	EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	319.74	255.79
03 41 19 00-0014	EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	359.93	287.99
03 41 19 00-0015	EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	385.19	308.12
03 41 19 00-0016	EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	411.67	329.34
03 41 19 00-0017	EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	442.06	353.67
03 41 19 00-0018	EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	480.79	384.59
03 41 19 00-0019	EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	522.76	418.17
03 41 19 00-0020	EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	577.78	462.26
03 41 19 00-0021	EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	639.49	511.57
03 41 19 00-0022	EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	723.82	579.09
03 41 19 00-0023	EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	823.35	658.67
03 41 19 00-0024	EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	954.60	763.70

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

	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	13.45	
	For 3,500 PSI Concrete, Add	0.27	
	For 4,000 PSI Concrete, Add	0.40	
	For 4,500 PSI Concrete, Add	0.54	
	For 5,000 PSI Concrete, Add	0.81	
	For White Facing, Add	2.69	
	For Solid White Through Thickness, Add	2.69	
	For Broken Rib Finish, Add	1.35	
	For Fluted Surface, Add	1.35	
	For Exposed Aggregate, Add	2.69	
	For Sandblasting Of Surface, Add	1.35	
	For 2" Polystyrene Insulation, Add	1.15	
	For 2" Polystyrene Insulation, Add	0.15	
03 41 19 00-0027	SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	16.54	
	For 3,500 PSI Concrete, Add	0.33	
	For 4,000 PSI Concrete, Add	0.50	
	For 4,500 PSI Concrete, Add	0.66	
	For 5,000 PSI Concrete, Add	0.99	
	For White Facing, Add	3.31	
	For Solid White Through Thickness, Add	3.31	
	For Broken Rib Finish, Add	1.65	
	For Fluted Surface, Add	1.65	
	For Exposed Aggregate, Add	3.31	
	For Sandblasting Of Surface, Add	1.65	
	For 2" Polystyrene Insulation, Add	1.15	
	For 2" Polystyrene Insulation, Add	0.19	
03 41 19 00-0028	SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	19.91	
	For 3,500 PSI Concrete, Add	0.40	
	For 4,000 PSI Concrete, Add	0.60	
	For 4,500 PSI Concrete, Add	0.80	
	For 5,000 PSI Concrete, Add	1.19	
	For White Facing, Add	3.98	
	For Solid White Through Thickness, Add	3.98	
	For Broken Rib Finish, Add	1.99	
	For Fluted Surface, Add	1.99	
	For Exposed Aggregate, Add	3.98	
	For Sandblasting Of Surface, Add	1.99	
	For 2" Polystyrene Insulation, Add	1.15	
	For 2" Polystyrene Insulation, Add	0.23	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	26.23	
For 3,500 PSI Concrete, Add	0.52	
For 4,000 PSI Concrete, Add	0.79	
For 4,500 PSI Concrete, Add	1.05	
For 5,000 PSI Concrete, Add	1.57	
For White Facing, Add	5.25	
For Solid White Through Thickness, Add	5.25	
For Broken Rib Finish, Add	2.62	
For Fluted Surface, Add	2.62	
For Exposed Aggregate, Add	5.25	
For Sandblasting Of Surface, Add	2.62	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.30	
03 41 19 00-0030 Partition Panels (03 41 19)		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	209.22	167.35
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	232.58	186.09
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	261.81	209.45
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	299.45	239.56
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	321.55	257.26
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	349.72	279.77
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	380.26	304.24
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	420.28	336.23
03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	255.13	204.13
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	283.62	226.86
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	319.27	255.42
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	365.16	292.12
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	392.12	313.67
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	426.47	341.15
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	463.70	371.00
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	512.50	409.98
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	567.24	453.81
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	642.03	513.60
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	730.32	584.26
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	846.75	677.37
03 41 19 00-0053 Material Cost (03 41 19 00-0030)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	12.78	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.51	
For 5,000 PSI Concrete, Add	0.77	
For White Facing, Add	2.56	
For Solid White Through Thickness, Add	2.56	
For Broken Rib Finish, Add	1.28	
For Fluted Surface, Add	1.28	
For Exposed Aggregate, Add	2.56	
For Sandblasting Of Surface, Add	1.28	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	15.74	
For 4,000 PSI Concrete, Add	0.47	
For 4,500 PSI Concrete, Add	0.63	
For 5,000 PSI Concrete, Add	0.94	
For White Facing, Add	3.15	
For Solid White Through Thickness, Add	3.15	
For Broken Rib Finish, Add	1.57	
For Fluted Surface, Add	1.57	
For Exposed Aggregate, Add	3.15	
For Sandblasting Of Surface, Add	1.57	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	18.83	
For 4,000 PSI Concrete, Add	0.56	
For 4,500 PSI Concrete, Add	0.75	
For 5,000 PSI Concrete, Add	1.13	
For White Facing, Add	3.77	
For Solid White Through Thickness, Add	3.77	
For Broken Rib Finish, Add	1.88	
For Fluted Surface, Add	1.88	
For Exposed Aggregate, Add	3.77	
For Sandblasting Of Surface, Add	1.88	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	24.88	
<i>For 4,000 PSI Concrete, Add</i>	0.75	
<i>For 4,500 PSI Concrete, Add</i>	1.00	
<i>For 5,000 PSI Concrete, Add</i>	1.49	
<i>For White Facing, Add</i>	4.98	
<i>For Solid White Through Thickness, Add</i>	4.98	
<i>For Broken Rib Finish, Add</i>	2.49	
<i>For Fluted Surface, Add</i>	2.49	
<i>For Exposed Aggregate, Add</i>	4.98	
<i>For Sandblasting Of Surface, Add</i>	2.49	
03 41 19 00-0058 Cladding Panels <small>(03 41 19)</small>		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0058)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	269.24	215.36
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	301.16	240.91
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	341.67	273.33
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	365.16	292.12
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	392.12	313.67
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	426.47	341.15
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	463.70	371.00
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	512.50	409.98
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0058)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	303.53	242.79
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	339.52	271.62
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	385.19	308.12
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	411.67	329.34
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	442.06	353.67
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	480.79	384.59
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	522.76	418.17
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	577.78	462.26
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	639.49	511.57
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	723.82	579.09
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	823.35	658.67
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	954.60	763.70
03 41 19 00-0081 Material Cost <small>(03 41 19 00-0058)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.</small>		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	12.78	
<i>For 3,500 PSI Concrete, Add</i>	0.26	
<i>For 4,000 PSI Concrete, Add</i>	0.38	
<i>For 4,500 PSI Concrete, Add</i>	0.51	
<i>For 5,000 PSI Concrete, Add</i>	0.77	
<i>For White Facing, Add</i>	2.56	
<i>For Solid White Through Thickness, Add</i>	2.56	
<i>For Broken Rib Finish, Add</i>	1.28	
<i>For Fluted Surface, Add</i>	1.28	
<i>For Exposed Aggregate, Add</i>	2.56	
<i>For Sandblasting Of Surface, Add</i>	1.28	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	15.74	
<i>For 3,500 PSI Concrete, Add</i>	0.31	
<i>For 4,000 PSI Concrete, Add</i>	0.47	
<i>For 4,500 PSI Concrete, Add</i>	0.63	
<i>For 5,000 PSI Concrete, Add</i>	0.94	
<i>For White Facing, Add</i>	3.15	
<i>For Solid White Through Thickness, Add</i>	3.15	
<i>For Broken Rib Finish, Add</i>	1.57	
<i>For Fluted Surface, Add</i>	1.57	
<i>For Exposed Aggregate, Add</i>	3.15	
<i>For Sandblasting Of Surface, Add</i>	1.57	
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	18.83	
<i>For 3,500 PSI Concrete, Add</i>	0.38	
<i>For 4,000 PSI Concrete, Add</i>	0.56	
<i>For 4,500 PSI Concrete, Add</i>	0.75	
<i>For 5,000 PSI Concrete, Add</i>	1.13	
<i>For White Facing, Add</i>	3.77	
<i>For Solid White Through Thickness, Add</i>	3.77	
<i>For Broken Rib Finish, Add</i>	1.88	
<i>For Fluted Surface, Add</i>	1.88	
<i>For Exposed Aggregate, Add</i>	3.77	
<i>For Sandblasting Of Surface, Add</i>	1.88	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	24.88	
			<i>For 3,500 PSI Concrete, Add</i>	0.50	
			<i>For 4,000 PSI Concrete, Add</i>	0.75	
			<i>For 4,500 PSI Concrete, Add</i>	1.00	
			<i>For 5,000 PSI Concrete, Add</i>	1.49	
			<i>For White Facing, Add</i>	4.98	
			<i>For Solid White Through Thickness, Add</i>	4.98	
			<i>For Broken Rib Finish, Add</i>	2.49	
			<i>For Fluted Surface, Add</i>	2.49	
			<i>For Exposed Aggregate, Add</i>	4.98	
			<i>For Sandblasting Of Surface, Add</i>	2.49	
03 41 19 00-0086			Sandwich Panel (03 41 19)		
03 41 19 00-0087			Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	269.24	215.36
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	301.16	240.91
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	341.67	273.33
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	365.16	292.12
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	392.12	313.67
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	426.47	341.15
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	463.70	371.00
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	512.50	409.98
03 41 19 00-0096			Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	272.86	218.26
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	305.21	244.15
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	346.27	277.01
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	370.08	296.06
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	397.40	317.89
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	432.21	345.74
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	469.94	375.99
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	519.40	415.50
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	574.87	459.92
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	650.68	520.51
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	740.15	592.12
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	858.15	686.49
03 41 19 00-0109			Material Cost (03 41 19 00-0086)		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110	SF		4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	17.49	
			<i>For 3,500 PSI Concrete, Add</i>	0.35	
			<i>For 4,000 PSI Concrete, Add</i>	0.52	
			<i>For 4,500 PSI Concrete, Add</i>	0.70	
			<i>For 5,000 PSI Concrete, Add</i>	1.05	
			<i>For White Facing, Add</i>	3.50	
			<i>For Solid White Through Thickness, Add</i>	3.50	
			<i>For Broken Rib Finish, Add</i>	1.75	
			<i>For Fluted Surface, Add</i>	1.75	
			<i>For Exposed Aggregate, Add</i>	3.50	
			<i>For Sandblasting Of Surface, Add</i>	1.75	
03 41 19 00-0111	SF		5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	20.58	
			<i>For 3,500 PSI Concrete, Add</i>	0.41	
			<i>For 4,000 PSI Concrete, Add</i>	0.62	
			<i>For 4,500 PSI Concrete, Add</i>	0.82	
			<i>For 5,000 PSI Concrete, Add</i>	1.23	
			<i>For White Facing, Add</i>	4.12	
			<i>For Solid White Through Thickness, Add</i>	4.12	
			<i>For Broken Rib Finish, Add</i>	2.06	
			<i>For Fluted Surface, Add</i>	2.06	
			<i>For Exposed Aggregate, Add</i>	4.12	
			<i>For Sandblasting Of Surface, Add</i>	2.06	
03 41 19 00-0112	SF		6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	23.94	
			<i>For 3,500 PSI Concrete, Add</i>	0.48	
			<i>For 4,000 PSI Concrete, Add</i>	0.72	
			<i>For 4,500 PSI Concrete, Add</i>	0.96	
			<i>For 5,000 PSI Concrete, Add</i>	1.44	
			<i>For White Facing, Add</i>	4.79	
			<i>For Solid White Through Thickness, Add</i>	4.79	
			<i>For Broken Rib Finish, Add</i>	2.39	
			<i>For Fluted Surface, Add</i>	2.39	
			<i>For Exposed Aggregate, Add</i>	4.79	
			<i>For Sandblasting Of Surface, Add</i>	2.39	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	30.26	
<i>For 3,500 PSI Concrete, Add</i>	0.61	
<i>For 4,000 PSI Concrete, Add</i>	0.91	
<i>For 4,500 PSI Concrete, Add</i>	1.21	
<i>For 5,000 PSI Concrete, Add</i>	1.82	
<i>For White Facing, Add</i>	6.05	
<i>For Solid White Through Thickness, Add</i>	6.05	
<i>For Broken Rib Finish, Add</i>	3.03	
<i>For Fluted Surface, Add</i>	3.03	
<i>For Exposed Aggregate, Add</i>	6.05	
<i>For Sandblasting Of Surface, Add</i>	3.03	
03 41 23 Precast Concrete Stairs (03 41)		
03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0002 EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	283.62	226.86
03 41 23 00-0003 EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	301.16	240.91
03 41 23 00-0004 EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	319.27	255.42
03 41 23 00-0005 EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	341.67	273.33
03 41 23 00-0006 EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	365.16	292.12
03 41 23 00-0007 EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	392.12	313.67
03 41 23 00-0008 EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	426.47	341.15
03 41 23 00-0009 EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	463.70	371.00
03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0011 EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	283.62	226.86
03 41 23 00-0012 EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	301.16	240.91
03 41 23 00-0013 EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	319.27	255.42
03 41 23 00-0014 EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	341.67	273.33
03 41 23 00-0015 EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	365.16	292.12
03 41 23 00-0016 EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	392.12	313.67
03 41 23 00-0017 EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	426.47	341.15
03 41 23 00-0018 EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	463.70	371.00
03 41 23 00-0019 Material Cost (03 41 23) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	269.56	
<i>For 3,500 PSI Concrete, Add</i>	35.18	
<i>For 4,000 PSI Concrete, Add</i>	66.10	
<i>For 4,500 PSI Concrete, Add</i>	97.15	
<i>For 5,000 PSI Concrete, Add</i>	132.17	
03 41 26 Precast Concrete Structural Sections (03 41)		
03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)		
03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	359.93	287.99
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	385.19	308.12
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	411.67	329.34
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	442.06	353.67
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	455.35	364.25
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	487.30	389.88
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	520.81	416.65
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	559.26	447.37
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	608.25	486.64
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	661.34	529.04
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	730.96	584.76
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	809.02	647.25
03 41 26 00-0016 Material Cost (03 41 26 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 LB/LF Live Load (03 41 26 00-0016)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0018	LF		Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	53.90	
			For 3,500 PSI Concrete, Add	1.47	
			For 4,000 PSI Concrete, Add	2.21	
			For 4,500 PSI Concrete, Add	2.94	
			For 5,000 PSI Concrete, Add	4.42	
03 41 26 00-0019	LF		Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	67.38	
			For 3,500 PSI Concrete, Add	1.84	
			For 4,000 PSI Concrete, Add	2.76	
			For 4,500 PSI Concrete, Add	3.68	
			For 5,000 PSI Concrete, Add	5.53	
03 41 26 00-0020	LF		Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	80.86	
			For 3,500 PSI Concrete, Add	2.21	
			For 4,000 PSI Concrete, Add	3.32	
			For 4,500 PSI Concrete, Add	4.41	
			For 5,000 PSI Concrete, Add	6.63	
03 41 26 00-0021			3,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0022	LF		Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	67.38	
			For 3,500 PSI Concrete, Add	1.84	
			For 4,000 PSI Concrete, Add	2.76	
			For 4,500 PSI Concrete, Add	3.68	
			For 5,000 PSI Concrete, Add	5.53	
03 41 26 00-0023	LF		Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	80.86	
			For 3,500 PSI Concrete, Add	2.21	
			For 4,000 PSI Concrete, Add	3.32	
			For 4,500 PSI Concrete, Add	4.41	
			For 5,000 PSI Concrete, Add	6.63	
03 41 26 00-0024	LF		Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	107.81	
			For 3,500 PSI Concrete, Add	2.94	
			For 4,000 PSI Concrete, Add	4.42	
			For 4,500 PSI Concrete, Add	5.89	
			For 5,000 PSI Concrete, Add	8.84	
03 41 26 00-0025			5,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0026	LF		Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	94.33	
			For 3,500 PSI Concrete, Add	2.58	
			For 4,000 PSI Concrete, Add	3.87	
			For 4,500 PSI Concrete, Add	5.15	
			For 5,000 PSI Concrete, Add	7.74	
03 41 26 00-0027	LF		Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	107.81	
			For 3,500 PSI Concrete, Add	2.94	
			For 4,000 PSI Concrete, Add	4.42	
			For 4,500 PSI Concrete, Add	5.89	
			For 5,000 PSI Concrete, Add	8.84	
03 41 26 00-0028	LF		Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	134.76	
			For 3,500 PSI Concrete, Add	3.68	
			For 4,000 PSI Concrete, Add	5.53	
			For 4,500 PSI Concrete, Add	7.36	
			For 5,000 PSI Concrete, Add	11.05	
03 41 26 00-0029			Precast Concrete Columns (03 41 26)		
03 41 26 00-0030			Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA		Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	207.03	165.61
03 41 26 00-0032	EA		Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	220.12	176.06
03 41 26 00-0033	EA		Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	235.90	188.74
03 41 26 00-0034	EA		Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	253.04	202.44
03 41 26 00-0035	EA		Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	272.86	218.26
03 41 26 00-0036	EA		Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	296.06	236.85
03 41 26 00-0037	EA		Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	323.57	258.86
03 41 26 00-0038			Material Cost (03 41 26 00-0029)		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039			12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040	CY		12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	279.00	
			For 3,500 PSI Concrete, Add	20.93	
			For 4,000 PSI Concrete, Add	39.34	
			For 4,500 PSI Concrete, Add	58.03	
			For 5,000 PSI Concrete, Add	78.96	
03 41 26 00-0041			16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042	CY		16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	285.89	
			For 3,500 PSI Concrete, Add	21.44	
			For 4,000 PSI Concrete, Add	40.31	
			For 4,500 PSI Concrete, Add	59.47	
			For 5,000 PSI Concrete, Add	80.91	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	285.89	
For 3,500 PSI Concrete, Add	21.44	
For 4,000 PSI Concrete, Add	40.31	
For 4,500 PSI Concrete, Add	59.47	
For 5,000 PSI Concrete, Add	80.91	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	6.85	1.67
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	8.29	1.67
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	9.75	1.75
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	11.21	1.83
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	14.28	2.17
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	22.24	5.92
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	17.51	3.58
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	20.21	3.08
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	9.74	0.67
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	10.14	0.67
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	15.82	0.58
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	21.64	0.58
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	11.20	1.00
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	16.79	0.67

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	12.33	1.33
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	19.31	1.50
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	21.76	0.92
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	28.52	0.83
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	30.00	0.83
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	4,882.53	240.00
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	5,320.17	266.67
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	8,798.66	300.00
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	1,997.95	218.25
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,591.29	240.00
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	3,265.18	240.00
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,635.43	266.67
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,620.51	300.00
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	8,178.54	343.01
03 41 33 00-0040 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0041 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	10.21	
03 41 33 00-0042 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	10.66	
03 41 33 00-0043 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	11.27	
03 41 33 00-0044 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	11.76	
03 41 33 00-0045 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	12.71	
03 41 33 00-0046 Double And Single Tees (03 41 33)		
03 41 33 00-0047 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0048 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.53	
03 41 33 00-0049 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.21	
03 41 33 00-0050 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	11.51	
03 41 33 00-0051 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	12.53	
03 41 33 00-0052 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	12.45	
03 41 33 00-0053 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	18.84	
03 41 33 00-0054 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	18.39	
03 41 33 00-0055 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	17.21	
03 41 33 00-0056 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	18.84	
03 41 33 00-0057 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	17.67	
03 41 33 00-0058 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0059 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.89	
03 41 33 00-0060 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0061 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	12.12	
03 41 33 00-0062 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	12.89	
03 41 33 00-0063 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	12.45	
03 41 33 00-0064 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.32	
03 41 33 00-0065 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	18.88	
03 41 33 00-0066 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	18.18	
03 41 33 00-0067 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.32	
03 41 33 00-0068 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	18.76	
03 41 33 00-0069 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0070 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	13.64	
03 41 33 00-0071 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	13.19	
03 41 33 00-0072 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	12.72	
03 41 33 00-0073 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	20.56	
03 41 33 00-0074 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	19.86	
03 41 33 00-0075 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	19.03	
03 48 Precast Concrete Specialties (03 40)		
03 48 16 Precast Concrete Splash Blocks (03 48)		
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, Standard Size	12.09	2.99
03 48 21 Precast Concrete Handrails (03 48)		
03 48 21 00-0001 Installation Cost (03 48 21)		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail.....	118.42	53.32
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail	142.03	63.90



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 21 00-0004 Material Cost <small>(03 48 21)</small>		
<small>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.</small>		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,064.79	
For 3,500 PSI Concrete, Add	69.48	
For 4,000 PSI Concrete, Add	130.54	
For 4,500 PSI Concrete, Add	191.88	
For 5,000 PSI Concrete, Add	261.03	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,105.23	
For 3,500 PSI Concrete, Add	72.12	
For 4,000 PSI Concrete, Add	135.50	
For 4,500 PSI Concrete, Add	199.16	
For 5,000 PSI Concrete, Add	270.95	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,145.66	
For 3,500 PSI Concrete, Add	74.75	
For 4,000 PSI Concrete, Add	140.46	
For 4,500 PSI Concrete, Add	206.45	
For 5,000 PSI Concrete, Add	280.86	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,199.58	
For 3,500 PSI Concrete, Add	78.27	
For 4,000 PSI Concrete, Add	147.07	
For 4,500 PSI Concrete, Add	216.16	
For 5,000 PSI Concrete, Add	294.08	
03 48 22 Precast Concrete Sun Screen And Trellis <small>(03 48)</small>		
03 48 22 00-0001 Sun Screen Blades <small>(03 48 22)</small>		
03 48 22 00-0002 Installation Cost <small>(03 48 22 00-0001)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.</small>		
03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each.....	59.22	26.65
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each.....	71.14	31.99
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each.....	88.89	40.03
03 48 22 00-0006 Material Cost <small>(03 48 22 00-0001)</small>		
<small>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.</small>		
03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,132.18	
For 3,500 PSI Concrete, Add	73.87	
For 4,000 PSI Concrete, Add	138.81	
For 4,500 PSI Concrete, Add	204.02	
For 5,000 PSI Concrete, Add	277.55	
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,172.62	
For 3,500 PSI Concrete, Add	76.51	
For 4,000 PSI Concrete, Add	143.76	
For 4,500 PSI Concrete, Add	211.31	
For 5,000 PSI Concrete, Add	287.47	
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,226.53	
For 3,500 PSI Concrete, Add	80.03	
For 4,000 PSI Concrete, Add	150.37	
For 4,500 PSI Concrete, Add	221.02	
For 5,000 PSI Concrete, Add	300.68	
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,280.45	
For 3,500 PSI Concrete, Add	83.55	
For 4,000 PSI Concrete, Add	156.98	
For 4,500 PSI Concrete, Add	230.74	
For 5,000 PSI Concrete, Add	313.90	
03 48 22 00-0011 Sun Screen/Trellis Units <small>(03 48 22)</small>		
03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane <small>(03 48 22 00-0011)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.</small>		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane.....	269.24	121.14
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane.....	301.16	135.57
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane.....	341.67	153.73
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane.....	365.16	164.33
03 48 22 00-0017 Material Cost <small>(03 48 22 00-0011)</small>		
<small>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.</small>		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades.....	1,307.40	
For 3,500 PSI Concrete, Add	85.31	
For 4,000 PSI Concrete, Add	160.29	
For 4,500 PSI Concrete, Add	235.59	
For 5,000 PSI Concrete, Add	320.51	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades.....	1,347.84	
For 3,500 PSI Concrete, Add	87.95	
For 4,000 PSI Concrete, Add	165.25	
For 4,500 PSI Concrete, Add	242.88	
For 5,000 PSI Concrete, Add	330.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,401.75	
For 3,500 PSI Concrete, Add	91.46	
For 4,000 PSI Concrete, Add	171.85	
For 4,500 PSI Concrete, Add	252.60	
For 5,000 PSI Concrete, Add	343.64	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,469.14	
For 3,500 PSI Concrete, Add	95.86	
For 4,000 PSI Concrete, Add	180.12	
For 4,500 PSI Concrete, Add	264.74	
For 5,000 PSI Concrete, Add	360.16	
03 48 24 Precast Minaret Segments (03 48)		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	262.00	209.60
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	293.59	234.89
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	331.96	265.56
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	354.10	283.27
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	276.90	221.56
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	310.77	248.58
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	351.96	281.54
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	376.94	301.53
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	531.14	424.95
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	642.03	513.60
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	712.51	570.01
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	800.35	640.31
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	290.68	232.51
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	324.59	259.63
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	369.78	295.78
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	394.77	315.77
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	265.53	212.43
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	297.55	238.05
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	336.43	269.13
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	358.86	287.08
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	280.63	224.54
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	314.96	251.93
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	356.70	285.33
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	382.01	305.59
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	429.07	343.25
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	519.40	415.50
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	574.87	459.92
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	650.68	520.51
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	294.59	235.64
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	328.96	263.13
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	374.76	299.76
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	400.08	320.02
03 48 24 00-0043 Material Costs (03 48 24)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0046	CY		Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete.....	3,234.63	
03 48 24 00-0047	CY		Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete.....	3,234.63	
03 48 29 Precast Accessories (03 48)					
Note: Includes installation labor, material and equipment.					
03 48 29 00-0001			Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002			Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003	LF		Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips.....	1.09	
Note: For precast members					
03 48 29 00-0004	LF		Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips.....	1.57	
Note: For precast members.					
03 48 29 00-0005	LF		Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips.....	2.62	
Note: For precast members					
03 48 29 00-0006	LF		Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips.....	3.69	
Note: For precast members					
03 48 29 00-0007	LF		Bearing Pads, Continuous 2" Wide x 1" Thick Strips.....	4.81	
Note: For precast members					
03 48 29 00-0008	LF		Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips.....	6.93	
Note: For precast members					
03 48 29 00-0009			Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010	LF		4" x 4" Precast Pipe Support.....	6.85	
03 48 46 Precast Skylight Shells (03 48)					
03 48 46 00-0001			Installation Cost Using A 90 Ton Crawler Crane (03 48 46)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.					
03 48 46 00-0002	EA		Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	385.19	173.36
03 48 46 00-0003	EA		Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	427.71	192.48
03 48 46 00-0004	EA		Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	480.79	216.36
03 48 46 00-0005			Material Cost (03 48 46)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.					
03 48 46 00-0006	CY		3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius.....	1,353.27	
03 48 49 Precast Landings (03 48)					
03 48 49 00-0001	SF		3" Thick Precast Landing.....	40.38	
03 48 49 00-0002	SF		4" Thick Precast Landing.....	46.72	
03 48 49 00-0003	SF		5" Thick Precast Landing.....	53.54	
03 48 49 00-0004	SF		6" Thick Precast Landing.....	61.86	
03 50 Cast Decks And Underlayment (03)					
03 53 Concrete Topping (03 50)					
Note: Installed over new or existing concrete.					
03 53 00 00-0001			Integral Topping Including Hard Trowel Finish (03 53)		
Note: Using 1:1:2 mix.					
03 53 00 00-0002	SF		3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.85	
03 53 00 00-0003	SF		1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.08	
03 53 00 00-0004	SF		3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.43	
03 53 00 00-0005	SF		1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.87	
03 53 00 00-0006	SF		2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.09	
03 53 00 00-0007	SF		2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.49	
03 53 00 00-0008	SF		3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.90	
03 53 00 00-0009			Granolithic Topping Laid After (03 53)		
Note: Using 1:1:1-1/2 mix.					
03 53 00 00-0010	SF		1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.12	
03 53 00 00-0011	SF		1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.36	
03 53 00 00-0012	SF		2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.23	
03 54 Cast Underlayment (03 50)					
Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).					
03 54 16 Hydraulic Cement Underlayment (03 54)					
03 54 16 00-0001			Self Leveling Cementitious Underlayment For Floors (03 54 16)		
Note: Includes primer.					
03 54 16 00-0002	SF		1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	1.62	
03 54 16 00-0003	SF		1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	2.48	
03 54 16 00-0004	SF		1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	4.19	

03 Concrete**03 50 Cast Decks And Underlayment****03 54 Cast Underlayment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0005 SF 3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.90	
03 54 16 00-0006 SF 1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.61	
03 54 16 00-0007 SF 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	9.89	
03 54 16 00-0008 SF 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.04	
03 54 16 00-0009 SF 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	14.47	
03 60 Grouting (03)		
03 61 Cementitious Grouting (03 60)		
Note: 1 part cement to 3 parts sand by volume.		
03 61 16 Flowable Grout (03 61)		
03 61 16 00-0001 Flowable Grout (03 61 16)		
03 61 16 00-0002 CY Flowable Grout.....	322.57	
03 62 Non-Shrink Grouting (03 60)		
03 62 13 Non-Metallic Non-Shrink Grouting (03 62)		
03 62 13 00-0001 Fluid Type, Nonmetallic (03 62 13)		
03 62 13 00-0002 SF 1" Deep Fluid Type Nonmetal Grout, For Grouting Bases	18.52	
03 62 13 00-0003 SF 2" Deep Fluid Type Nonmetal Grout, For Grouting Bases	27.43	
03 62 13 00-0004 Nonshrink, Nonmetallic Grout (03 62 13)		
03 62 13 00-0005 SF 1" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	28.38	
03 62 13 00-0006 SF 2" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	45.50	
03 62 13 00-0007 Nonshrink, Nonmetallic Grout For Joints (03 62 13)		
03 62 13 00-0008 1/2" Joint Thickness (03 62 13 00-0007)		
03 62 13 00-0009 LF 1/2" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.49	
03 62 13 00-0010 LF 1/2" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.96	
03 62 13 00-0011 LF 1/2" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.59	
03 62 13 00-0012 1" Joint Thickness (03 62 13 00-0007)		
03 62 13 00-0013 LF 1" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.20	
03 62 13 00-0014 LF 1" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.93	
03 62 13 00-0015 LF 1" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	3.89	
03 62 16 Metallic Non-Shrink Grouting (03 62)		
03 62 16 00-0001 Nonshrink, Metallic Grout (03 62 16)		
03 62 16 00-0002 SF 1" Deep Nonshrink Metallic Grout, For Grouting Bases	24.02	
03 62 16 00-0003 SF 2" Deep Nonshrink Metallic Grout, For Grouting Bases	37.04	
03 62 16 00-0004 Nonshrink, Metallic Grout For Joints (03 62 16)		
03 62 16 00-0005 1/2" Joint Thickness (03 62 16 00-0004)		
03 62 16 00-0006 LF 1/2" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.22	
03 62 16 00-0007 LF 1/2" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	1.54	
03 62 16 00-0008 LF 1/2" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.06	
03 62 16 00-0009 1" Joint Thickness (03 62 16 00-0004)		
03 62 16 00-0010 LF 1" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.67	
03 62 16 00-0011 LF 1" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	2.11	
03 62 16 00-0012 LF 1" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.81	
03 64 Injection Grouting (03 60)		
Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting (03 64)		
03 64 23 00-0001 CF Pressure Injected Epoxy Grout.....	764.93	
03 64 26 Injection Grouting (03 64)		
03 64 26 00-0001 CF Pressure Injected Cementitious Grout.....	110.04	
03 80 Concrete Cutting And Boring (03)		



	Concrete	03	03
	Concrete Cutting And Boring	03 80	
	Concrete Cutting	03 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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- 03 81 Concrete Cutting (03 80)
 - 03 81 13 Flat Concrete Sawing** (03 81)
See CSI section 02 41 19 13-0040 for saw cutting.
 - 03 81 16 Track Mounted Concrete Wall Sawing** (03 81)
See CSI section 02 41 19 13-0040 for saw cutting.
- 03 82 Concrete Boring (03 80)
 - 03 82 13 Concrete Core Drilling** (03 82)
See CSI section 02 41 19 13-0062 for core drilling.

END OF SECTION 03

03	03 Concrete
	03 80 Concrete Cutting And Boring
	03 82 Concrete Boring



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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

05 05 Common Work Results For Metals ⁽⁰⁵⁾

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

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

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

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

Note: Includes drilling.

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

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

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.95	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.76	
	For >100, Deduct	-1.52	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.03	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.76	
	For >100, Deduct	-1.52	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.29	
	For >10 To 50, Deduct	-0.38	
	For >50 To 100, Deduct	-0.78	
	For >100, Deduct	-1.57	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.77	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.83	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.85	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.07	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.87	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.16	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.64	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.20	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.65	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.30	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.65	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.54	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.88	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.68	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.45	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.31	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.52	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.32	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.67	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.32	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.98	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.67	
	For >100, Deduct	-3.34	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.28	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.68	
	For >100, Deduct	-3.35	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.68	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.47	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.73	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.79	
			<i>For >100, Deduct</i>	-3.58	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.28	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.35	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.71	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.16	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.00	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.66	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.01	
			<i>For >100, Deduct</i>	-4.03	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.58	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.12	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.13	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.25	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.01	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100, Deduct</i>	-4.39	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.07	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.29	
			<i>For >100, Deduct</i>	-4.59	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.59	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100, Deduct</i>	-4.67	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.60	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.19	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-2.93	
			<i>For >100, Deduct</i>	-5.85	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.04	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.00	
			<i>For >100, Deduct</i>	-6.00	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.87	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.14	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.47	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.77	
			<i>For >100, Deduct</i>	-7.54	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	50.50	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.82	
			<i>For >100, Deduct</i>	-7.64	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.40	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.54	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.62	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.96	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.66	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.84	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.98	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.00	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.21	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.56	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.77	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.78	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.69	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.09	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.62	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.52	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.53	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.57	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.51	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.62	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.81	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100, Deduct</i>	-3.68	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.55	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.97	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.99	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100, Deduct</i>	-4.19	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.84	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.41	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.36	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.61	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.08	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.45	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.92	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.32	
<i>For >100, Deduct</i>	-4.64	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.34	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.91	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.95	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.59	
			<i>For >100, Deduct</i>	-5.18	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.14	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100, Deduct</i>	-7.00	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	68.16	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.70	
			<i>For >100, Deduct</i>	-7.40	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.58	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.55	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.04	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.26	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.58	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.67	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.20	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.68	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.57	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.87	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.19	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.60	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.97	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.59	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100, Deduct</i>	-3.77	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.07	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.79	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.94	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.96	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	15.75	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	16.50	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.76	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.25	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.63	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.32	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.46	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	20.42	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.41	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.35	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.11	
For >100, Deduct	-4.21	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.18	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.13	
For >100, Deduct	-4.25	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	32.23	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.46	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.25	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.88	
For >100, Deduct	-5.76	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	37.58	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.94	
For >100, Deduct	-5.87	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	39.90	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.99	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0086)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.99	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.10	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.23	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.56	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.42	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.52	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.54	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.84	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.72	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.85	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.90	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.93	
For >100, Deduct	-1.86	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.73	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.96	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.17	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.40	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.24	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.25	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.59	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.86	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.28	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.61	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.32	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.15	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.90	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.81	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.93	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.39	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.33	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.01	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	8.79	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	11.25	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	12.11	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	16.57	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	18.12	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	24.36	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100, Deduct</i>	-3.61	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Long Concrete Strike Anchor.....	8.52	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Long Concrete Strike Anchor.....	8.70	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Long Concrete Strike Anchor.....	9.07	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.66	
05 05 19 00-0129 EA 5/16" Diameter x 4" Long Concrete Strike Anchor.....	9.84	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.69	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Long Concrete Strike Anchor.....	10.36	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.88	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Long Concrete Strike Anchor.....	10.93	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0132 EA 3/8" Diameter x 5" Long Concrete Strike Anchor.....	11.37	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Long Concrete Strike Anchor.....	15.15	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Long Concrete Strike Anchor.....	15.49	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.71	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Long Concrete Strike Anchor.....	16.49	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0136 EA 1/2" Diameter x 6" Long Concrete Strike Anchor.....	17.78	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0137 EA 5/8" Diameter x 4" Long Concrete Strike Anchor.....	20.24	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Long Concrete Strike Anchor.....	21.44	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 19 00-0139 EA 5/8" Diameter x 6" Long Concrete Strike Anchor.....	22.49	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.51	
05 05 19 00-0140 EA 3/4" Diameter x 5" Long Concrete Strike Anchor.....	26.14	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0141 EA 3/4" Diameter x 6" Long Concrete Strike Anchor.....	27.26	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100, Deduct</i>	-4.21	
05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	11.09	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	13.57	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	16.59	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	18.86	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	22.68	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-3.99	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	12.79	
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.23	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	16.86	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.79	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	20.81	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.33	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	25.66	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	34.37	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.29	
			<i>For >100, Deduct</i>	-4.58	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.15	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.55	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.72	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.82	
			<i>For >100, Deduct</i>	-1.64	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	9.86	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.40	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	20.10	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.39	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	24.27	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.06	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	8.13	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.55	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	9.68	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	10.08	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.86	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.21	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	19.38	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.36	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	21.69	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.93	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	10.51	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	12.23	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	15.18	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	17.82	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	18.94	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	23.45	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.56	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	30.61	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	36.45	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.45	
<i>For >100, Deduct</i>	-4.90	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	49.94	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-3.24	
<i>For >100, Deduct</i>	-6.49	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	72.10	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-4.32	
<i>For >100, Deduct</i>	-8.64	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.48	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0183 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	11.88	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100, Deduct</i>	-2.31	
05 05 19 00-0184 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.50	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0185 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.42	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.26	
05 05 19 00-0186 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	21.57	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100, Deduct</i>	-3.92	
05 05 19 00-0187 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.00	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.28	
05 05 19 00-0188 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	31.85	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-2.79	
<i>For >100, Deduct</i>	-5.58	
05 05 19 00-0189 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.53	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-3.17	
<i>For >100, Deduct</i>	-6.34	
05 05 19 00-0190 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	41.94	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-3.57	
<i>For >100, Deduct</i>	-7.13	
05 05 19 00-0191 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	45.55	
<i>For >10 To 50, Deduct</i>	-1.75	
<i>For >50 To 100, Deduct</i>	-3.77	
<i>For >100, Deduct</i>	-7.54	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.56	
For >10 To 50, Deduct	-1.83	
For >50 To 100, Deduct	-4.01	
For >100, Deduct	-8.02	
05 05 19 00-0193 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	60.60	
For >10 To 50, Deduct	-1.98	
For >50 To 100, Deduct	-4.49	
For >100, Deduct	-8.98	
05 05 19 00-0194 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	83.07	
For >10 To 50, Deduct	-2.06	
For >50 To 100, Deduct	-5.17	
For >100, Deduct	-10.33	
05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0196 EA Grout Concrete Anchor Bolt or Threaded Rod.....	3.32	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 19 00-0197 Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0198 Tapcon Masonry Screws (05 05 19 00-0197)		
Note: Includes drilling, Countersunk or hex head.		
05 05 19 00-0199 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	7.84	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0200 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	7.89	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0201 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	8.02	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
05 05 19 00-0202 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	7.91	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0203 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	7.97	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0204 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	8.11	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.55	
05 05 19 00-0205 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0197)		
Note: Includes drilling, Zinc plated.		
05 05 19 00-0206 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	8.28	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.56	
05 05 19 00-0207 EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	8.51	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.57	
05 05 19 00-0208 EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.58	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.57	
05 05 19 00-0209 EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	8.69	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.58	
05 05 19 00-0210 EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	8.78	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.58	
05 05 19 00-0211 EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.99	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.59	
05 05 19 00-0212 EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.24	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0213 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.47	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	10.11	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0215 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.19	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0216 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.58	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.84	
<i>For >100, Deduct</i>	-1.67	
05 05 19 00-0217 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	10.99	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.69	
05 05 19 00-0218 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.25	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0219 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.13	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.70	
05 05 19 00-0220 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.51	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.86	
<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0221 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	12.38	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100, Deduct</i>	-1.76	
05 05 19 00-0222 Pin Bolt Drives <small>(05 05 19 00-0197)</small>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0223 EA 1/4" x 1" Pin Bolt Drive.....	4.90	
<i>For >10 To 50, Deduct</i>	-0.23	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0224 EA 1/4" x 1-1/4" Pin Bolt Drive.....	4.90	
<i>For >10 To 50, Deduct</i>	-0.23	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0225 EA 1/4" x 1-1/2" Pin Bolt Drive.....	4.94	
<i>For >10 To 50, Deduct</i>	-0.23	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0226 EA 1/4" x 2" Pin Bolt Drive.....	4.95	
<i>For >10 To 50, Deduct</i>	-0.23	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0227 Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0197)</small>		
05 05 19 00-0228 EA 1/4" Diameter Threaded Stud Powder Actuated Anchor.....	11.06	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0229 EA 3/8" Diameter Threaded Stud Powder Actuated Anchor.....	13.64	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100, Deduct</i>	-2.62	
05 05 23 Metal Fastenings <small>(05 05)</small>		
05 05 23 00-0001 Drilling In Steel Plates <small>(05 05 23)</small>		
05 05 23 00-0002 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	14.43	
<i>For Aluminum, Deduct</i>	-1.44	
<i>For Stainless Steel, Add</i>	1.80	
05 05 23 00-0003 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	16.98	
<i>For Aluminum, Deduct</i>	-1.70	
<i>For Stainless Steel, Add</i>	2.12	
05 05 23 00-0004 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	20.37	
<i>For Aluminum, Deduct</i>	-2.04	
<i>For Stainless Steel, Add</i>	2.55	
05 05 23 00-0005 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	23.77	
<i>For Aluminum, Deduct</i>	-2.38	
<i>For Stainless Steel, Add</i>	2.97	
05 05 23 00-0006 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	31.83	
<i>For Aluminum, Deduct</i>	-3.18	
<i>For Stainless Steel, Add</i>	3.98	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0007 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	16.98	
For Aluminum, Deduct	-1.70	
For Stainless Steel, Add	2.12	
05 05 23 00-0008 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	21.22	
For Aluminum, Deduct	-2.12	
For Stainless Steel, Add	2.65	
05 05 23 00-0009 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	25.47	
For Aluminum, Deduct	-2.55	
For Stainless Steel, Add	3.18	
05 05 23 00-0010 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	31.83	
For Aluminum, Deduct	-3.18	
For Stainless Steel, Add	3.98	
05 05 23 00-0011 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	21.22	
For Aluminum, Deduct	-2.12	
For Stainless Steel, Add	2.65	
05 05 23 00-0012 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	28.01	
For Aluminum, Deduct	-2.80	
For Stainless Steel, Add	3.50	
05 05 23 00-0013 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	33.95	
05 05 23 00-0014 Hex Bolts <small>(05 05 23)</small>		
Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0253 for drilling into concrete, 02 41 19 13-0263 for drilling into brick or block, 02 41 19 13-0273 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.		
05 05 23 00-0015 A325 High Strength Structural Bolts <small>(05 05 23 00-0014)</small>		
Note: Includes A325 heavy hex nut and two structural washers.		
05 05 23 00-0016 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0015)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0017 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.92	1.04
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.80	
05 05 23 00-0018 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.10	1.04
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.91	
For >100, Deduct	-1.81	
05 05 23 00-0019 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.68	1.04
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.84	
05 05 23 00-0020 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	12.96	1.19
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.07	
For >100, Deduct	-2.14	
05 05 23 00-0021 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	14.77	1.25
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.15	
For >100, Deduct	-2.30	
05 05 23 00-0022 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.48	1.04
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.94	
For >100, Deduct	-1.88	
05 05 23 00-0023 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.81	1.19
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.09	
For >100, Deduct	-2.18	
05 05 23 00-0024 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.53	1.25
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.33	
05 05 23 00-0025 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	18.73	1.31
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.57	
05 05 23 00-0026 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.20	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-2.08	
05 05 23 00-0027 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.84	1.25
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.35	
05 05 23 00-0028 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	17.90	1.31
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.27	
For >100, Deduct	-2.53	
05 05 23 00-0029 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.33	1.38
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.69	
05 05 23 00-0030 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.46	1.18
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.10	
For >100, Deduct	-2.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0031 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.22	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.50	
05 05 23 00-0032 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.71	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.71	
05 05 23 00-0033 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.73	1.47
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.07	
05 05 23 00-0034 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	23.72	1.47
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.02	
05 05 23 00-0035 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	26.72	1.55
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.28	
05 05 23 00-0036 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.08	1.66
<i>For >10 To 50, Deduct</i>	-0.69	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100, Deduct</i>	-3.64	
05 05 23 00-0037 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	36.20	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-2.02	
<i>For >100, Deduct</i>	-4.03	
05 05 23 00-0038 Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0015)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0039 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	10.29	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100, Deduct</i>	-1.82	
05 05 23 00-0040 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	10.41	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100, Deduct</i>	-1.83	
05 05 23 00-0041 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.44	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0042 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.50	1.19
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.17	
05 05 23 00-0043 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	14.25	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0044 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.83	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0045 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	14.25	1.19
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 23 00-0046 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	16.21	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0047 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.35	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0048 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.30	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.18	
05 05 23 00-0049 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.08	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.41	
05 05 23 00-0050 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.40	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0051 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	23.84	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.91	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0052 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.09	1.18
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.14	
For >100, Deduct	-2.28	
05 05 23 00-0053 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	20.96	1.31
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.69	
05 05 23 00-0054 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	22.84	1.38
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.86	
05 05 23 00-0055 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	28.59	1.47
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.26	
05 05 23 00-0056 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	28.43	1.47
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.25	
05 05 23 00-0057 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	30.32	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.46	
05 05 23 00-0058 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.21	1.66
For >10 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-1.92	
For >100, Deduct	-3.84	
05 05 23 00-0059 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.51	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-2.12	
For >100, Deduct	-4.25	
05 05 23 00-0060 Hex Head Bolts (05 05 23 00-0014)		
05 05 23 00-0061 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0060)		
05 05 23 00-0062 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0061)		
05 05 23 00-0063 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.82	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0064 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.84	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0065 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.88	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0066 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0067 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0068 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0069 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.16	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0070 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0071 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0072 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0073 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0074 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.73	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0075 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0076 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.23	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0077 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0078 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.44	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0079 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0080 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.86	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0081 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.88	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0082 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.92	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0083 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0084 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.13	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0085 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0086 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0087 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0088 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.53	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0089 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.57	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0090 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0091 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.78	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0092 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0093 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0094 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0095	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0096			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0097	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0098	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.93	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0099	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.98	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0100	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.03	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0101	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.22	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0102	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0103	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.40	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0104	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.62	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0105	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0106	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.80	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0107	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0108	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.13	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0109	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0110	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0111	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0112	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0113			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0114	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.82	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0115	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.90	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0116 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0117 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0118 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0119 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0120 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0121 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0122 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0123 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0124 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0125 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0126 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0127 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.87	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0128 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0129 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0130 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0131 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0132 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.94	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0133 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0134 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.26	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0135 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0136 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.61	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0137	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0138	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0139	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0140	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0141	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0142	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0143	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0144	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.89	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0145	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0146	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0147	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0148	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0149			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>	5.85	
05 05 23 00-0150	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0151	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0152	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.00	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0153	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0154	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.69	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0155	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0156	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0157	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0158 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0159 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0160 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0161 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0162 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0163 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0164 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.95	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0165 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.20	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0166 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0167 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0168 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0169 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0170 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0171 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0172 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0173 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0174 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0175 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.61	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0176 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0177 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0178 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.52	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0179	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0180	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0181	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.19	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0182	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0183	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0184	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0185	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0186	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0187	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0188	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0189			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05</small>		
			<small>23 00-0061)</small>		
05 05 23 00-0190	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0191	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0192	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0193	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.70	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0194	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0195	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0196	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0197	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0198	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0199	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0200 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.79	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0201 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0202 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.30	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0203 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0204 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.50	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0205 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0206 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0207 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0208 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0209 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0061)</small>		
05 05 23 00-0210 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0211 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0212 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0213 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0214 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0215 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0216 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0217 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.08	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0218 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0219 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0220 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.06	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0221	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0222	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0223	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.71	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0224	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.21	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0225	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0226	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0227	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.85	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0228	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.37	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0229			1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0061)		
05 05 23 00-0230	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.22	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0231	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0232	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0233	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0234	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.25	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0235	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0236	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.70	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0237	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0238	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0239	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0240	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.70	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0241	EA		1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.39	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0242 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.93	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0243 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.51	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0244 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.10	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0245 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.75	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0246 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.32	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0247 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.89	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0248 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0060)</small>		
05 05 23 00-0249 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0250 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.86	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0251 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.88	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0252 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.91	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0253 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0254 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0255 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0256 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.33	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0257 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.53	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0258 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.65	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0259 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.73	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0260 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.95	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0261 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.03	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0262 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0263 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0264	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.44	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0265	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.55	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0266			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0248)		
05 05 23 00-0267	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.91	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0268	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.93	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0269	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.97	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0270	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.03	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0271	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.22	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0272	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0273	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.45	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0274	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0275	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.77	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0276	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0277	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.23	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0278	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0279	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.41	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0280	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.73	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0281	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.93	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0282	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0283			3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0248)		
05 05 23 00-0284	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.94	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0285 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0286 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.03	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0287 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.10	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0288 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0289 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.39	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0290 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.52	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0291 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.79	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0292 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.09	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0293 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.22	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0294 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0295 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0296 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0297 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0298 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0299 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.74	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0300 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0301 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.77	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0302 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0303 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0304 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.23	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0305 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0306	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.45	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0307	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.72	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0308	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.32	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0309	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.58	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0310	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.79	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0311	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.91	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0312	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.04	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0313	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.35	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0314	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.53	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0315	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.70	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0316			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0317	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.85	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0318	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0319	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.02	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0320	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.29	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0321	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.43	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0322	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.57	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0323	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.84	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0324	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.30	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0325	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.33	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0326	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0327 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.96	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0328 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0329 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0330 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.25	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0331 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0332 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.95	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0333 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.41	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0334 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.06	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0335 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.30	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0336 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0337 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0338 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.25	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0339 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.39	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0340 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0341 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.86	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0342 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0343 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0344 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.26	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0345 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.46	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0346 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0347 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.05	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0348	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.80	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0349	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.87	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0350	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0351	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.69	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0352	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.31	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0353	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.50	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0354	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.68	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0355	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.15	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0356			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0357	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.93	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0358	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.98	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0359	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.03	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0360	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.31	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0361	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.56	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0362	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0363	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.15	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0364	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.58	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0365	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0366	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.07	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0367	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.45	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0368	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.04	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0369 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.71	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0370 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.20	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0371 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.27	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0372 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.30	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0373 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.96	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0374 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.92	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0375 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.26	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0376 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0248)		
05 05 23 00-0377 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0378 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.58	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0379 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0380 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.98	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0381 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.23	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0382 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.61	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0383 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0384 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0385 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.74	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0386 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.11	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0387 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.53	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0388 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0389 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.90	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0390	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.44	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0391	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.74	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0392	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.67	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0393	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.94	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0394	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.82	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0395	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.04	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0396			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0248)</small>		
05 05 23 00-0397	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.86	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0398	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.98	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0399	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.15	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0400	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.46	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0401	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0402	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0403	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.66	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0404	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.25	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0405	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.69	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0406	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0407	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.41	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0408	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.98	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0409	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.68	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0410	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.37	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0411 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.41	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0412 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.55	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0413 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.23	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0414 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.80	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0415 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.38	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0416 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-02-48)</small>		
05 05 23 00-0417 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.96	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0418 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.00	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0419 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.52	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0420 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0421 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.35	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0422 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.93	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0423 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.50	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0424 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.31	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0425 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.04	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0426 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.21	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0427 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.35	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0428 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.21	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0429 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.43	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0430 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.77	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0431 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.81	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0432 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.11	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0433 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.95	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0434 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.52	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0435 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0060)		
05 05 23 00-0436 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0435)		
05 05 23 00-0437 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.87	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0438 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.93	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0439 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.96	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0440 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.02	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0441 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.20	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0442 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.27	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0443 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.33	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0444 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.47	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0445 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.66	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0446 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.83	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0447 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.06	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0448 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.16	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0449 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.28	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0450 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.50	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0451 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.73	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0452 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.84	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0453 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0435)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0454 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.92	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0455 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.95	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0456 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.07	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0457 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.09	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0458 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.29	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0459 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.46	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0460 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.51	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0461 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.73	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0462 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.84	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0463 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.08	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0464 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.36	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0465 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.45	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0466 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.59	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0467 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.83	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0468 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.94	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0469 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0470 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0471 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.04	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0472 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.05	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0473 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.06	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0474 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0475	EA		3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.41	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0476	EA		3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.54	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0477	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0478	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.16	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0479	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.31	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0480	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0481	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.54	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0482	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.71	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0483	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.44	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0484	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.75	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0485	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.09	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0486	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.86	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0487			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0488	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.86	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0489	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0490	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.08	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0491	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.23	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0492	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.46	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0493	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0494	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.76	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0495	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0496 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.68	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0497 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.08	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0498 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.22	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0499 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.43	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0500 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0501 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.57	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0502 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.62	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0503 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0504 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.99	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0505 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.14	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0506 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.24	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0507 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.46	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0508 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.63	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0509 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.00	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0510 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.41	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0511 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.62	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0512 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.78	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0513 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.18	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0514 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.65	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0515 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.09	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0516 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.61	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0517	EA		1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.80	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0518	EA		1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.34	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0519	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.37	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0520	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.76	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0521	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.96	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0522	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.93	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0523			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0524	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.13	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0525	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.22	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0526	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.43	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0527	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.87	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0528	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0529	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.25	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0530	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0531	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0532	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0533	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.08	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0534	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.52	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0535	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.16	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0536	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.23	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0537	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.61	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0538 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.19	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0539 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0540 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.12	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0541 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.22	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0542 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.45	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0543 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.92	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0544 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.20	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0545 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.35	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0546 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.59	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0547 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0548 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0549 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.67	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0550 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.91	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0551 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.39	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0552 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0553 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0554 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.46	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0555 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.59	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0556 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.68	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0557 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.76	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0558 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.77	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0559			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0435)		
05 05 23 00-0560	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.64	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0561	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0562	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.81	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0563	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.09	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0564	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.29	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0565	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.88	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0566	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.26	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0567	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.31	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0568	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.12	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0569	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.55	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0570	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0571	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.76	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0572	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.85	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0573	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.27	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0574	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.48	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0575	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.66	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0576	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.42	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0577	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.97	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0578	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.18	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0579			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0435)		
05 05 23 00-0580	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0581 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.01	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0582 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.54	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0583 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.32	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0584 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.41	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0585 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.71	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0586 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.59	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0587 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.07	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0588 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.33	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0589 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.03	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0590 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.86	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0591 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.59	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0592 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.47	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0593 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.23	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0594 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.97	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0595 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.19	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0596 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.38	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0597 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.83	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0598 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0435)</small>		
05 05 23 00-0599 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0600 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.14	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0601 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.58	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0602	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.07	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0603	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.98	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0604	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.35	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0605	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.14	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0606	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.19	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0607	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.82	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0608	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.26	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0609	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.46	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0610	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.93	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0611	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.41	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0612	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.84	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0613	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.30	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0614	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.02	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0615	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.91	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0616	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.07	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0617			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-00600)		
05 05 23 00-0618			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0617)		
05 05 23 00-0619	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0620	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.96	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0621	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.97	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0622	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.10	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0623 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0624 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.39	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0625 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0626 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.56	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0627 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0628 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0629 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0630 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0631 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.99	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0632 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0633 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0634 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0635 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0636 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.89	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0637 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0638 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0639 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.18	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0640 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.44	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0641 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0642 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.72	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0643 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0644	EA		5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0645	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0646	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.33	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0647	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.41	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0648	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0649	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.11	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0650	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.41	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0651	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.69	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0652			3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0653	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.97	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0654	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.03	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0655	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0656	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.25	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0657	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.46	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0658	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.59	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0659	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0660	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.94	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0661	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.01	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0662	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.16	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0663	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.37	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0664	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0665 EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.63	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0666 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0667 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.80	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0668 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0669 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0670 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.05	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0671 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.33	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0672 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0673 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0674 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0675 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0676 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0677 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0678 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0679 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0680 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.33	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0681 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0682 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0683 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.01	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0684 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.20	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0685 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0686	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.68	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0687	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.94	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0688	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.13	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0689	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.23	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0690	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.44	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0691	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0692	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.90	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0693	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0694	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.11	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0695	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0696	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.35	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0697	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.32	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0698	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0699	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0700	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0701			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0702	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0703	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.06	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0704	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.16	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0705	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.46	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0706	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0707 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0708 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0709 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0710 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0711 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0712 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0713 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0714 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0715 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0716 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0717 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0718 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.68	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0719 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0720 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.65	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0721 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0722 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0723 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0724 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0725 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0726 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0727 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.41	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0728	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0729	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.80	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0730	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.89	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0731	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.09	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0732	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.65	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0733	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.88	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0734	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0735	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.54	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0736	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0737	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.24	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0738	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0739	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.61	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0740	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.68	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0741			7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0742	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.64	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0743	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.91	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0744	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.21	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0745	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.61	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0746	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.83	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0747	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0748	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.52	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0749 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0750 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.30	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0751 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.59	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0752 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.90	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0753 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.36	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0754 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.90	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0755 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.03	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0756 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.31	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0757 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.61	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0758 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.99	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0759 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0760 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0617)</small>		
05 05 23 00-0761 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0762 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.76	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0763 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0764 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.66	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0765 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.70	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0766 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.90	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0767 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0768 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.68	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0769 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.90	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0770	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.89	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0771	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.39	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0772	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.23	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0773	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.05	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0774	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.44	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0775	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.11	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0776	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.61	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0777	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.37	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0778			304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0060)		
05 05 23 00-0779			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)		
05 05 23 00-0780	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.90	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0781	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0782	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.02	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0783	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0784	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0785	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0786	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.55	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0787	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.77	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0788	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.93	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0789	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.07	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0790	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.33	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0791	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.57	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA			1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.45	
				<i>For >100 To 250, Deduct</i>	-1.03	
				<i>For >250 To 500, Deduct</i>	-1.29	
				<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0793	EA			1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.99	
				<i>For >100 To 250, Deduct</i>	-1.06	
				<i>For >250 To 500, Deduct</i>	-1.33	
				<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0794	EA			1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.12	
				<i>For >100 To 250, Deduct</i>	-1.06	
				<i>For >250 To 500, Deduct</i>	-1.33	
				<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0795	EA			1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.45	
				<i>For >100 To 250, Deduct</i>	-1.06	
				<i>For >250 To 500, Deduct</i>	-1.33	
				<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0796				5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)		
05 05 23 00-0797	EA			5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.00	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0798	EA			5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.05	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0799	EA			5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.15	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0800	EA			5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.23	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0801	EA			5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.52	
				<i>For >100 To 250, Deduct</i>	-0.98	
				<i>For >250 To 500, Deduct</i>	-1.23	
				<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0802	EA			5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.58	
				<i>For >100 To 250, Deduct</i>	-0.98	
				<i>For >250 To 500, Deduct</i>	-1.23	
				<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0803	EA			5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.84	
				<i>For >100 To 250, Deduct</i>	-0.98	
				<i>For >250 To 500, Deduct</i>	-1.23	
				<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0804	EA			5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.16	
				<i>For >100 To 250, Deduct</i>	-1.01	
				<i>For >250 To 500, Deduct</i>	-1.26	
				<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0805	EA			5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.46	
				<i>For >100 To 250, Deduct</i>	-1.01	
				<i>For >250 To 500, Deduct</i>	-1.26	
				<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0806	EA			5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.61	
				<i>For >100 To 250, Deduct</i>	-1.01	
				<i>For >250 To 500, Deduct</i>	-1.26	
				<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0807	EA			5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.21	
				<i>For >100 To 250, Deduct</i>	-1.03	
				<i>For >250 To 500, Deduct</i>	-1.29	
				<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0808	EA			5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.96	
				<i>For >100 To 250, Deduct</i>	-1.03	
				<i>For >250 To 500, Deduct</i>	-1.29	
				<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0809	EA			5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.67	
				<i>For >100 To 250, Deduct</i>	-1.03	
				<i>For >250 To 500, Deduct</i>	-1.29	
				<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0810	EA			5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.58	
				<i>For >100 To 250, Deduct</i>	-1.06	
				<i>For >250 To 500, Deduct</i>	-1.33	
				<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0811				3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)		
05 05 23 00-0812	EA			3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.13	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500, Deduct</i>	-1.43	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0813	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.19	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0814	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.35	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0815	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.56	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0816	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.80	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0817	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.96	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0818	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0819	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0820	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.76	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0821	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.33	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0822	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.53	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0823	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.00	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0824	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.99	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0825	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.36	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0826	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.50	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0827	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.49	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0828			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)	6.34	
05 05 23 00-0829	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0830	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.41	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0831	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.67	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0832	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.96	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0833	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.28	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0834 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.80	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0835 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0836 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.80	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0837 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0838 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.03	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0839 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.97	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0840 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.10	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0841 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0842 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0778)</small>		
05 05 23 00-0843 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.33	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0844 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.41	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0845 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.82	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0846 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.12	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0847 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.49	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0848 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.70	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0849 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0850 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.26	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0851 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.24	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0852 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.65	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0853 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.09	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0854 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0855	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.47	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0856	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.77	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0857	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.25	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0858	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.68	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0859	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.87	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0860	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.18	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0861	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.48	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0862			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0778)</small>		
05 05 23 00-0863	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.49	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0864	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.35	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0865	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.85	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0866	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.28	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0867	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0868	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.74	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0869	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.25	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0870	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.46	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0871	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.42	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0872	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.47	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0873	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.53	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0874			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0778)</small>		
05 05 23 00-0875	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.73	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0876 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.93	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0877 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.74	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0878 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.02	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0879 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.41	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0880 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.96	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0881 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.79	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0882 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.80	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0883 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.42	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0884 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.91	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0885 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.48	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0886 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.53	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0887 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.79	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0888 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.72	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0889 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.14	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0890 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.00	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0891 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.54	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0892 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.99	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0893 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	22.99	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0894 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)	8.62	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0896 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.01	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0897	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.51	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0898	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.20	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0899	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.75	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0900	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.69	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0901	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.37	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0902	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.25	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0903	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.94	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0904	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.80	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0905	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.61	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0906	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.13	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0907	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.31	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0908	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.60	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0909	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.36	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0910	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.62	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0911	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.06	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0912	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.24	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0913	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.14	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0914			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0778)		
05 05 23 00-0915	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.70	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0916	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.66	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0917	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.53	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0918 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.50	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0919 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.82	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0920 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.74	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0921 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.05	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0922 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.16	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0923 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.61	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0924 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.42	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0925 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.88	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0926 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0927 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0928 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.34	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0929 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.38	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0930 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.30	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0931 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.11	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0932 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.92	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0933 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0778)</small>	14.02	
<i>EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt</i>	<i>14.02</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.36</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.70</i>	
<i>For >500, Deduct</i>	<i>-2.04</i>	
<i>EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt</i>	<i>14.71</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.36</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.70</i>	
<i>For >500, Deduct</i>	<i>-2.04</i>	
<i>EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt</i>	<i>15.90</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.39</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.74</i>	
<i>For >500, Deduct</i>	<i>-2.09</i>	
<i>EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt</i>	<i>16.77</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.39</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.74</i>	
<i>For >500, Deduct</i>	<i>-2.09</i>	
<i>EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt</i>	<i>18.21</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.39</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.74</i>	
<i>For >500, Deduct</i>	<i>-2.09</i>	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0939	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.96	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0940	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.97	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0941	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.46	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0942	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.99	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0943	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.07	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0944	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0945	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.23	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0946	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.97	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0947	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0948	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.37	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0949	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.67	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0950	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.11	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0951	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.29	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0952			316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0060)</small>		
05 05 23 00-0953			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0952)</small>		
05 05 23 00-0954	EA		1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.00	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0955	EA		1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.11	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0956	EA		1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.19	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0957	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.25	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0958	EA		1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.54	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0959	EA		1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	5.69	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0960	EA		1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.83	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0961 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.07	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0962 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.19	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0963 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.25	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0964 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.75	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0965 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	6.85	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0966 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.51	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0967 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.08	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0968 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.85	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0969 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.07	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0970 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0952)</small>		
05 05 23 00-0971 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.15	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0972 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.28	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0973 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.49	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0974 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.64	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0975 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.85	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0976 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.18	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0977 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.40	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0978 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.63	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0979 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.11	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0980 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.21	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0981 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.68	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0982 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	8.06	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0983 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.17	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0984 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	15.73	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0985 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0982)		
05 05 23 00-0986 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.48	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0987 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.53	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0988 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.73	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0989 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.19	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0990 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.50	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0991 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	6.58	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0992 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.98	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0993 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.17	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0994 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.43	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0995 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	7.60	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0996 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.31	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0997 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	8.99	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0998 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.02	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0999 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	10.89	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-1000 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.71	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-1001 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	16.75	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-1002 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0982)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1003 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.95	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1004 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.24	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1005 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.79	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1006 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.39	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1007 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	8.92	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1008 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.78	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1009 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	10.74	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1010 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.90	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1011 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	11.21	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1012 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.55	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1013 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1014 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.00	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1015 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	12.32	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1016 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0952)		
05 05 23 00-1017 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1018 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.25	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1019 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.69	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1020 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.35	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1021 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	8.84	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1022 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1023 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	9.30	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1024	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.24	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1025	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	12.14	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1026	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.41	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1027	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.71	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1028	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.07	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1029	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	16.78	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1030	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.80	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1031	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	19.49	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1032	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.08	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1033	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	26.96	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1034	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.44	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1035	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	28.17	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1036			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0952)</small>	14.83	
05 05 23 00-1037	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	14.83	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1038	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.86	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1039	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.33	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1040	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.40	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1041	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	23.44	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1042	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.49	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1043	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	26.91	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1044	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1045 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	30.10	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1046 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.67	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1047 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	31.99	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1048 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0952)</small>		
05 05 23 00-1049 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.21	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1050 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.30	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1051 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.33	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1052 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.06	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1053 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.67	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1054 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.60	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1055 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.13	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1056 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.82	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1057 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.41	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1058 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.65	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1059 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.13	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1060 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.09	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1061 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.28	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1062 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.66	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1063 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1064 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.42	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1065 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	25.60	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1066	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.18	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1067	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	37.14	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1068			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0952)</small>		
05 05 23 00-1069	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.56	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1070	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1071	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1072	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.42	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1073	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.92	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1074	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.78	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1075	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	17.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1076	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.53	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1077	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	18.95	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1078	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.65	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1079	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.61	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1080	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.57	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1081	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	27.98	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1082	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.30	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1083	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	31.81	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1084	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.95	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1085	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.00	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1086	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.42	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1087 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	40.49	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1088 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0952)		
05 05 23 00-1089 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.00	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1090 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.39	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1091 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.30	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1092 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.24	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1093 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.11	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1094 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	19.00	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1095 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.18	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1096 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.83	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1097 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1098 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.92	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1099 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.32	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1100 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1101 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.24	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1102 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	39.97	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1103 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1104 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	43.87	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1105 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1106 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.05	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	

05 05 23 00-1107 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0952)

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1108	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.06	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1109	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.34	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1110	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	19.77	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1111	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.06	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1112	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	23.01	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1113	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.56	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1114	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	26.13	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1115	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.84	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1116	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	31.90	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1117	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.88	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1118	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	41.47	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1119	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.07	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1120	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	46.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1121	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.37	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1122	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	48.99	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1123	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.61	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1124	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.97	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1125			Screws <small>(05 05 23)</small>		
05 05 23 00-1126			Teks® 5 Self Drilling Screws <small>(05 05 23 00-1125)</small>		
			Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1127	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.52	
			<i>For >10 To 50, Deduct</i>	-0.11	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1128	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.61	
			<i>For >10 To 50, Deduct</i>	-0.11	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1129	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.89	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100, Deduct</i>	-0.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1130 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.92	
<i>For >10 To 50, Deduct</i>	-0.15	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100, Deduct</i>	-0.65	
05 05 23 00-1131 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.17	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1132 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.05	
<i>For >10 To 50, Deduct</i>	-0.17	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100, Deduct</i>	-0.75	
05 05 23 00-1133 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.61	
<i>For >10 To 50, Deduct</i>	-0.17	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100, Deduct</i>	-0.80	
05 05 23 00-1134 Security Screws <small>(05 05 23 00-1125)</small>		
05 05 23 00-1135 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1134)</small>		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1136 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	1.99	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100, Deduct</i>	-0.39	
05 05 23 00-1137 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.21	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1138 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.39	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1139 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.45	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1140 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.57	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1141 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.25	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1142 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.34	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1143 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.53	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1144 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.58	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1145 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.31	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1146 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.33	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1147 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.41	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1148 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.66	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1149 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.45	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1150 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.51	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1151 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.75	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1152	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.13	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1153			Threaded Rod <small>(05 05 23)</small>		
			Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1246 for nuts and washers.		
05 05 23 00-1154			Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1153)</small>		
05 05 23 00-1155	LF		1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.66	0.41
			<i>For Left Hand Threaded Rod, Add</i>	0.08	
05 05 23 00-1156	LF		5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.15	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.12	
05 05 23 00-1157	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.49	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1158	LF		7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.33	0.53
			<i>For Left Hand Threaded Rod, Add</i>	0.23	
05 05 23 00-1159	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.42	0.55
			<i>For Left Hand Threaded Rod, Add</i>	0.23	
05 05 23 00-1160	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.21	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.31	
05 05 23 00-1161	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.73	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.36	
05 05 23 00-1162	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.68	0.59
			<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1163	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.36	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1164	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.42	0.68
			<i>For Left Hand Threaded Rod, Add</i>	1.00	
05 05 23 00-1165	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.19	0.77
			<i>For Left Hand Threaded Rod, Add</i>	1.27	
05 05 23 00-1166	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.79	0.84
			<i>For Left Hand Threaded Rod, Add</i>	1.71	
05 05 23 00-1167	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	23.34	0.91
			<i>For Left Hand Threaded Rod, Add</i>	2.15	
05 05 23 00-1168	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.91	0.95
			<i>For Left Hand Threaded Rod, Add</i>	2.60	
05 05 23 00-1169	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.18	0.99
			<i>For Left Hand Threaded Rod, Add</i>	3.22	
05 05 23 00-1170	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	43.62	1.04
			<i>For Left Hand Threaded Rod, Add</i>	4.16	
05 05 23 00-1171			Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1153)</small>		
05 05 23 00-1172	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.67	0.41
			<i>For Left Hand Threaded Rod, Add</i>	0.08	
05 05 23 00-1173	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.42	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1174	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.70	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1175	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.84	0.53
			<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1176	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.13	0.55
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1177	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.38	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.43	
05 05 23 00-1178	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.71	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.46	
05 05 23 00-1179	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.52	0.59
			<i>For Left Hand Threaded Rod, Add</i>	0.73	
05 05 23 00-1180	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	11.00	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.98	
05 05 23 00-1181	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	14.75	0.68
			<i>For Left Hand Threaded Rod, Add</i>	1.34	
05 05 23 00-1182	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	19.00	0.77
			<i>For Left Hand Threaded Rod, Add</i>	1.75	
05 05 23 00-1183	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	22.66	0.84
			<i>For Left Hand Threaded Rod, Add</i>	2.09	
05 05 23 00-1184	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	25.74	0.91
			<i>For Left Hand Threaded Rod, Add</i>	2.39	
05 05 23 00-1185	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	32.39	0.95
			<i>For Left Hand Threaded Rod, Add</i>	3.05	
05 05 23 00-1186	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	40.08	0.99
			<i>For Left Hand Threaded Rod, Add</i>	3.81	
05 05 23 00-1187	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	58.42	1.04
			<i>For Left Hand Threaded Rod, Add</i>	5.64	
05 05 23 00-1188			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1153)</small>		
05 05 23 00-1189	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.37	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1190 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.09 0.50	0.55
05 05 23 00-1191 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.18 0.70	0.57
05 05 23 00-1192 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.19 1.00	0.59
05 05 23 00-1193 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	15.45 1.42	0.61
05 05 23 00-1194 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	19.92 1.85	0.68
05 05 23 00-1195 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	26.17 2.46	0.77
05 05 23 00-1196 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	34.38 3.27	0.84
05 05 23 00-1197 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	38.41 3.66	0.91
05 05 23 00-1198 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	45.70 4.38	0.95
05 05 23 00-1199 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	55.48 5.35	0.99
05 05 23 00-1200 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	96.72 9.47	1.04
05 05 23 00-1201 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1153)</small>		
05 05 23 00-1202 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	1.97 0.11	0.41
05 05 23 00-1203 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.86 0.19	0.45
05 05 23 00-1204 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.62 0.26	0.52
05 05 23 00-1205 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.91 0.38	0.53
05 05 23 00-1206 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.85 0.47	0.55
05 05 23 00-1207 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.48 0.74	0.56
05 05 23 00-1208 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.61 0.75	0.57
05 05 23 00-1209 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.92 1.07	0.59
05 05 23 00-1210 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.27 1.51	0.61
05 05 23 00-1211 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.82 1.94	0.68
05 05 23 00-1212 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.68 4.20	0.84
05 05 23 00-1213 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	62.53 6.06	0.95
05 05 23 00-1214 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	68.18 6.62	0.99
05 05 23 00-1215 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	84.02 8.20	1.04
05 05 23 00-1216 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1153)</small>		
05 05 23 00-1217 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.74 0.19	0.41
05 05 23 00-1218 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.27 0.34	0.45
05 05 23 00-1219 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.60 0.46	0.52
05 05 23 00-1220 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.57 0.75	0.53
05 05 23 00-1221 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.09 0.80	0.55
05 05 23 00-1222 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.82 1.07	0.56
05 05 23 00-1223 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	12.70 1.16	0.57
05 05 23 00-1224 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	18.35 1.72	0.59
05 05 23 00-1225 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	25.00 2.38	0.61
05 05 23 00-1226 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.59 3.02	0.68
05 05 23 00-1227 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.31 6.46	0.84
05 05 23 00-1228 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.80 8.49	0.95
05 05 23 00-1229 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1153)</small>		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1230	LF		1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.81	0.41
			<i>For Zinc Plating, Add</i>	0.99	
05 05 23 00-1231	LF		5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.29	0.45
			<i>For Zinc Plating, Add</i>	1.69	
05 05 23 00-1232	LF		3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.49	0.52
			<i>For Zinc Plating, Add</i>	1.73	
05 05 23 00-1233	LF		7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.89	0.53
			<i>For Zinc Plating, Add</i>	1.91	
05 05 23 00-1234	LF		1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.39	0.55
			<i>For Zinc Plating, Add</i>	2.14	
05 05 23 00-1235	LF		9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.71	0.56
			<i>For Zinc Plating, Add</i>	2.79	
05 05 23 00-1236	LF		5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.93	0.57
			<i>For Zinc Plating, Add</i>	2.89	
05 05 23 00-1237	LF		3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.17	0.59
			<i>For Zinc Plating, Add</i>	4.00	
05 05 23 00-1238	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.98	0.61
			<i>For Zinc Plating, Add</i>	4.88	
05 05 23 00-1239	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	14.23	0.68
			<i>For Zinc Plating, Add</i>	6.42	
05 05 23 00-1240	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.49	0.77
			<i>For Zinc Plating, Add</i>	8.48	
05 05 23 00-1241	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	20.58	0.84
			<i>For Zinc Plating, Add</i>	9.43	
05 05 23 00-1242	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	23.73	0.91
			<i>For Zinc Plating, Add</i>	10.97	
05 05 23 00-1243	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	28.85	0.95
			<i>For Zinc Plating, Add</i>	13.48	
05 05 23 00-1244	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	29.82	0.99
			<i>For Zinc Plating, Add</i>	13.93	
05 05 23 00-1245	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	39.98	1.04
			<i>For Zinc Plating, Add</i>	18.96	
05 05 23 00-1246			Nuts And Washers <small>(05 05 23)</small>		
05 05 23 00-1247			Hex Nuts <small>(05 05 23 00-1246)</small>		
05 05 23 00-1248			Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1249	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.42	0.19
05 05 23 00-1250	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.46	0.19
05 05 23 00-1251	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.49	0.19
05 05 23 00-1252	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.19
05 05 23 00-1253	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.61	0.19
05 05 23 00-1254	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.19
05 05 23 00-1255	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.19
05 05 23 00-1256	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.96	0.38
05 05 23 00-1257	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.37	0.38
05 05 23 00-1258	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.75	0.38
05 05 23 00-1259	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.82	0.38
05 05 23 00-1260	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.44	0.38
05 05 23 00-1261	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.02	0.38
05 05 23 00-1262	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.80	0.56
05 05 23 00-1263	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.46	0.56
05 05 23 00-1264	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.19	0.56
05 05 23 00-1265			Zinc Plated Steel, Grade 5 Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1266	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.43	0.19
05 05 23 00-1267	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.47	0.19
05 05 23 00-1268	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.51	0.19
05 05 23 00-1269	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.59	0.19
05 05 23 00-1270	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.68	0.19
05 05 23 00-1271	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.81	0.19
05 05 23 00-1272	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.19
05 05 23 00-1273	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.08	0.38
05 05 23 00-1274	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.49	0.38
05 05 23 00-1275	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.10	0.38
05 05 23 00-1276	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.17	0.38
05 05 23 00-1277	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.46	0.38
05 05 23 00-1278	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.51	0.38
05 05 23 00-1279	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.18	0.56
05 05 23 00-1280	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.86	0.56
05 05 23 00-1281	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.40	0.56
05 05 23 00-1282			Zinc Plated Steel, Grade 8 Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1283	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.44	0.19
05 05 23 00-1284	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.50	0.19
05 05 23 00-1285	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.54	0.19
05 05 23 00-1286	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.66	0.19
05 05 23 00-1287	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.78	0.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1288 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.93	0.19
05 05 23 00-1289 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.05	0.19
05 05 23 00-1290 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.29	0.38
05 05 23 00-1291 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.91	0.38
05 05 23 00-1292 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.53	0.38
05 05 23 00-1293 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.93	0.38
05 05 23 00-1294 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.90	0.38
05 05 23 00-1295 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.01	0.38
05 05 23 00-1296 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.50	0.56
05 05 23 00-1297 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.90	0.56
05 05 23 00-1298 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.20	0.56
05 05 23 00-1299 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1300 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.44	0.19
05 05 23 00-1301 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.49	0.19
05 05 23 00-1302 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.53	0.19
05 05 23 00-1303 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.19
05 05 23 00-1304 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.19
05 05 23 00-1305 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.19
05 05 23 00-1306 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.19
05 05 23 00-1307 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.18	0.38
05 05 23 00-1308 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.69	0.38
05 05 23 00-1309 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.33	0.38
05 05 23 00-1310 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.80	0.38
05 05 23 00-1311 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.87	0.38
05 05 23 00-1312 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.19	0.38
05 05 23 00-1313 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.37	0.56
05 05 23 00-1314 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.51	0.56
05 05 23 00-1315 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.03	0.56
05 05 23 00-1316 304 Stainless Steel Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1317 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.47	0.19
05 05 23 00-1318 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.55	0.19
05 05 23 00-1319 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.61	0.19
05 05 23 00-1320 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.86	0.19
05 05 23 00-1321 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	0.93	0.19
05 05 23 00-1322 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.36	0.19
05 05 23 00-1323 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.50	0.19
05 05 23 00-1324 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.72	0.38
05 05 23 00-1325 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.75	0.38
05 05 23 00-1326 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.18	0.38
05 05 23 00-1327 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	9.88	0.38
05 05 23 00-1328 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.84	0.56
05 05 23 00-1329 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	32.99	0.56
05 05 23 00-1330 EA 2" Diameter, 304 Stainless Steel Hex Nut	46.95	0.56
05 05 23 00-1331 316 Stainless Steel Hex Nuts <small>(05 05 23 00-1247)</small>		
05 05 23 00-1332 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.54	0.19
05 05 23 00-1333 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.60	0.19
05 05 23 00-1334 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.71	0.19
05 05 23 00-1335 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.10	0.19
05 05 23 00-1336 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.18	0.19
05 05 23 00-1337 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.57	0.19
05 05 23 00-1338 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.76	0.19
05 05 23 00-1339 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.42	0.38
05 05 23 00-1340 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.32	0.38
05 05 23 00-1341 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.09	0.38
05 05 23 00-1342 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.23	0.38
05 05 23 00-1343 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.54	0.56
05 05 23 00-1344 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.30	0.56
05 05 23 00-1345 EA 2" Diameter, 316 Stainless Steel Hex Nut	76.62	0.56
05 05 23 00-1346 Flat Washers <small>(05 05 23 00-1246)</small>		
05 05 23 00-1347 Zinc Plated Steel, Low Carbon Flat Washers <small>(05 05 23 00-1346)</small>		
05 05 23 00-1348 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1349 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1350 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1351 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1352 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1353 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1354 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1355 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1356 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1357 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1358 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1359 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1360	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....		1.45	
05 05 23 00-1361	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....		1.48	
05 05 23 00-1362	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....		2.20	
05 05 23 00-1363	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....		2.73	
05 05 23 00-1364 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1346)					
05 05 23 00-1365	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.10	
05 05 23 00-1366	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.14	
05 05 23 00-1367	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.16	
05 05 23 00-1368	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.21	
05 05 23 00-1369	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.29	
05 05 23 00-1370	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.47	
05 05 23 00-1371	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.67	
05 05 23 00-1372	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		0.94	
05 05 23 00-1373	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		1.58	
05 05 23 00-1374	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		1.75	
05 05 23 00-1375	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		2.54	
05 05 23 00-1376	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		2.78	
05 05 23 00-1377	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		3.66	
05 05 23 00-1378	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		4.18	
05 05 23 00-1379	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		5.62	
05 05 23 00-1380	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....		6.75	
05 05 23 00-1381 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1346)					
05 05 23 00-1382	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.07	
05 05 23 00-1383	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.09	
05 05 23 00-1384	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.11	
05 05 23 00-1385	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.20	
05 05 23 00-1386	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.25	
05 05 23 00-1387	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.41	
05 05 23 00-1388	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.46	
05 05 23 00-1389	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.70	
05 05 23 00-1390	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		0.98	
05 05 23 00-1391	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		1.08	
05 05 23 00-1392	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		1.65	
05 05 23 00-1393	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		1.84	
05 05 23 00-1394	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		2.62	
05 05 23 00-1395	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		2.84	
05 05 23 00-1396	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....		4.12	
05 05 23 00-1397 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1346)					
05 05 23 00-1398	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.07	
05 05 23 00-1399	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.09	
05 05 23 00-1400	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.13	
05 05 23 00-1401	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.25	
05 05 23 00-1402	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.45	
05 05 23 00-1403	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.56	
05 05 23 00-1404	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.82	
05 05 23 00-1405	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		0.84	
05 05 23 00-1406	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		1.77	
05 05 23 00-1407	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		2.24	
05 05 23 00-1408	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		2.61	
05 05 23 00-1409	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		2.81	
05 05 23 00-1410	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		2.97	
05 05 23 00-1411	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		3.62	
05 05 23 00-1412	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		4.50	
05 05 23 00-1413	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....		8.84	
05 05 23 00-1414 316 Stainless Steel Flat Washers (05 05 23 00-1346)					
05 05 23 00-1415	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....		0.14	
05 05 23 00-1416	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....		0.15	
05 05 23 00-1417	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....		0.27	
05 05 23 00-1418	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....		0.32	
05 05 23 00-1419	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....		0.58	
05 05 23 00-1420	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....		1.05	
05 05 23 00-1421	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....		1.24	
05 05 23 00-1422	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....		1.56	
05 05 23 00-1423	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....		2.42	
05 05 23 00-1424	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....		2.70	
05 05 23 00-1425	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....		3.08	
05 05 23 00-1426	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....		3.79	
05 05 23 00-1427	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....		4.00	
05 05 23 00-1428	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....		4.10	
05 05 23 00-1429	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....		6.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1430 Lock Washers <small>(05 05 23 00-1246)</small>		
05 05 23 00-1431 Zinc Plated Steel, Low Carbon Lock Washers <small>(05 05 23 00-1430)</small>		
05 05 23 00-1432 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.01	
05 05 23 00-1433 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1434 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1435 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1436 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07	
05 05 23 00-1437 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1438 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1439 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1440 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1441 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1442 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1443 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1444 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1445 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1446 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1447 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1448 Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1430)</small>		
05 05 23 00-1449 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1450 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1451 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1452 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1453 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1454 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1455 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1456 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1457 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1458 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1459 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1460 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1461 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1462 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1463 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1464 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1465 304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1430)</small>		
05 05 23 00-1466 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.06	
05 05 23 00-1467 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.08	
05 05 23 00-1468 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1469 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1470 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1471 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.58	
05 05 23 00-1472 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.68	
05 05 23 00-1473 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.80	
05 05 23 00-1474 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.44	
05 05 23 00-1475 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.03	
05 05 23 00-1476 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.55	
05 05 23 00-1477 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.72	
05 05 23 00-1478 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.00	
05 05 23 00-1479 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.20	
05 05 23 00-1480 316 Stainless Steel Lock Washers <small>(05 05 23 00-1430)</small>		
05 05 23 00-1481 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.07	
05 05 23 00-1482 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.16	
05 05 23 00-1483 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1484 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1485 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	
05 05 23 00-1486 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1487 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.68	
05 05 23 00-1488 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.17	
05 05 23 00-1489 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.94	
05 05 23 00-1490 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	2.63	
05 05 23 00-1491 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.68	
05 05 23 00-1492 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	5.66	
05 05 23 00-1493 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.12	
05 05 23 00-1494 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	11.24	
05 05 23 00-1495 Welded Stud Anchors <small>(05 05 23)</small>		
05 05 23 00-1496 EA 1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	2.16	
05 05 23 00-1497 EA 1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	2.19	
05 05 23 00-1498 EA 1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.20	
05 05 23 00-1499 EA 1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.21	
05 05 23 00-1500 EA 3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	2.25	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1501	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.32	
05 05 23 00-1502	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.38	
05 05 23 00-1503	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.42	
05 05 23 00-1504	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.45	
05 05 23 00-1505	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.59	
05 05 23 00-1506	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.70	
05 05 23 00-1507	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.79	
05 05 23 00-1508	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.63	
05 05 23 00-1509	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.64	
05 05 23 00-1510	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.75	
05 05 23 00-1511	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.84	
05 05 23 00-1512	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.96	
05 05 23 00-1513	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.15	
05 05 23 00-1514	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.27	
05 05 23 00-1515	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.60	
05 05 23 00-1516	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	4.22	
05 05 23 00-1517	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.44	
05 05 23 00-1518	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.59	
05 05 23 00-1519	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.72	
05 05 23 00-1520	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.85	
05 05 23 00-1521	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	3.95	
05 05 23 00-1522	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	4.05	
05 05 23 00-1523	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	4.18	
05 05 23 00-1524	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.71	
05 05 23 00-1525	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.45	

05 05 23 00-1526 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1527 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1526)**

05 05 23 00-1528	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.23	
05 05 23 00-1529	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	4.34	
05 05 23 00-1530	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.37	
05 05 23 00-1531	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.38	
05 05 23 00-1532	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.51	
05 05 23 00-1533	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.74	
05 05 23 00-1534	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	7.00	
05 05 23 00-1535	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.02	
05 05 23 00-1536	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.43	
05 05 23 00-1537	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.79	
05 05 23 00-1538	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	7.92	
05 05 23 00-1539	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.37	
05 05 23 00-1540	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.26	

05 05 23 00-1541 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1526)

05 05 23 00-1542	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.79	
05 05 23 00-1543	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	4.97	
05 05 23 00-1544	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	5.15	
05 05 23 00-1545	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.67	
05 05 23 00-1546	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.07	
05 05 23 00-1547	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.61	
05 05 23 00-1548	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	9.15	
05 05 23 00-1549	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.67	

05 05 23 00-1550 1" Diameter Welded Shear Stud Connector (05 05 23 00-1526)

05 05 23 00-1551	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	5.97	
05 05 23 00-1552	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	6.52	
05 05 23 00-1553	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	7.34	
05 05 23 00-1554	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	10.11	
05 05 23 00-1555	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	10.97	
05 05 23 00-1556	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	11.83	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel For Buildings (05 12)**

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0101 for field fabrication of additional structural metal connections, 05 12 23 00-0116 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members (05 12 23)**05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)**

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns For 1 And 2 Story.....	5,992.10	930.94
		For ASTM A242 Type 2 High Strength Steel, Add	325.30	
		For Hot Dip Galvanizing, Add	1,138.53	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,979.13 266.97 934.40	601.79
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,323.79 237.01 829.55	338.54
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,217.93 162.03 567.10	180.20
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,220.42 283.64 992.73	633.11
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,756.52 469.77 1,644.20	1,730.61
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,543.24 449.39 1,572.85	1,015.62
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,583.34 395.32 1,383.61	601.79
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,751.75 462.68 1,619.39	2,369.78
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,465.68 443.18 1,551.14	1,805.55
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,494.71 388.23 1,358.80	601.79
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,054.20 452.04 1,582.16	1,373.12
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,960.05 425.45 1,489.09	601.79
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,460.54 327.95 1,147.84	338.54
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,851.38 212.73 744.55	180.46
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,244.09 425.45 1,489.09	1,015.62
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,708.16 325.30 1,138.53	601.79
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,684.97 265.91 930.68	338.54
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,696.57 200.32 701.11	180.20
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,900.62 397.98 1,392.92	1,015.62
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,741.41 327.96 1,147.84	601.79

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0032	TON		>65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,407.98 243.75 853.12	338.54
05 12 23 00-0033	TON		>100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,917.86 218.05 763.16	180.20
05 12 23 00-0034	TON		>300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,500.56 192.34 673.20	90.46
05 12 23 00-0035			Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036	TON		>30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,564.13 313.77 1,098.20	601.79
05 12 23 00-0037	TON		>65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,419.06 244.64 856.23	338.54
05 12 23 00-0038			Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON		Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,244.09 425.45 1,489.09	1,015.62
05 12 23 00-0040	TON		>30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,962.99 345.68 1,209.89	601.79
05 12 23 00-0041	TON		>65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,496.62 250.84 877.94	338.54
05 12 23 00-0042			Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON		1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,034.60 276.55 967.91	541.66
05 12 23 00-0044	TON		>5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,334.15 288.95 1,011.34	677.08
05 12 23 00-0045			Steel Shapes (05 12 23)		
05 12 23 00-0046			Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047	TON		1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,307.07 308.45 1,079.59	423.22
05 12 23 00-0048	TON		>5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,962.99 345.68 1,209.89	601.79
05 12 23 00-0049			Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050	LB		Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.27 0.13 0.46	0.58
05 12 23 00-0051	LB		Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.13 0.13 0.44	0.50
05 12 23 00-0052	TON		Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,981.07 274.19 959.65	519.14
05 12 23 00-0053	TON		Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,811.19 198.32 694.10	311.49
05 12 23 00-0054			Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055	TON		2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,235.05 352.77 1,234.70	773.77
05 12 23 00-0056	TON		>5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,632.51 335.05 1,172.66	416.63
05 12 23 00-0057			Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058	TON		3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,652.32 248.18 868.64	357.49
05 12 23 00-0059	TON		>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,011.87 248.18 868.64	412.29



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0060	Structural Tubing <small>(05 12 23 00-0045)</small>			
05 12 23 00-0061	Rectangle Structural Tubing <small>(05 12 23 00-0060)</small>			
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,924.95 443.18 1,551.14	361.11	
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,984.21 443.18 1,551.14	416.63	
05 12 23 00-0064	TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,245.68 381.14 1,333.98	451.39	
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,009.60 354.55 1,240.91	541.66	
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,741.40 327.95 1,147.84	601.79	
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,987.77 327.95 1,147.84	832.81	
05 12 23 00-0068	TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,362.41 335.05 1,172.66	1,100.94	
05 12 23 00-0069	TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,515.18 338.59 1,185.07	1,202.58	
05 12 23 00-0070	TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,676.82 338.59 1,185.07	1,354.16	
05 12 23 00-0071	TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,222.60 335.05 1,172.66	2,844.91	
05 12 23 00-0072	TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,003.18 326.18 1,141.64	1,805.55	
05 12 23 00-0073	TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,729.65 343.91 1,203.68	4,153.93	
05 12 23 00-0074	Square Structural Tubing <small>(05 12 23 00-0060)</small>			
05 12 23 00-0075	TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,900.88 443.18 1,551.14	338.54	
05 12 23 00-0076	TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,924.95 443.18 1,551.14	361.11	
05 12 23 00-0077	TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,356.48 390.00 1,365.00	451.39	
05 12 23 00-0078	TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,341.98 381.14 1,333.98	541.66	
05 12 23 00-0079	TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,356.31 290.73 1,017.55	677.08	
05 12 23 00-0080	TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,459.48 290.73 1,017.55	773.77	
05 12 23 00-0081	TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,789.64 290.73 1,017.55	1,083.33	
05 12 23 00-0082	TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,145.01 296.05 1,036.16	1,354.16	
05 12 23 00-0083	TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,224.77 343.91 1,203.68	1,805.55	
05 12 23 00-0084	TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,187.73 343.91 1,203.68	2,708.32	
05 12 23 00-0085	TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,091.27 296.05 1,036.16	3,178.76	
05 12 23 00-0086	TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,641.01 336.82 1,178.86	4,153.93	
05 12 23 00-0087	TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,076.61 343.91 1,203.68	5,416.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0088			Structural Shapes (05 12 23 00-0045)		
05 12 23 00-0089	TON		Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	7,023.36	2,076.55
			<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	298.18	
			<i>For Hot Dip Galvanizing, Add</i>	1,043.63	
			<i>For >20 To 50 LB/LF, Deduct</i>	-867.14	
			<i>For >50 To 75 LB/LF, Deduct</i>	-1,383.12	
			<i>For >75 To 100 LB/LF, Deduct</i>	-1,899.09	
05 12 23 00-0090	TON		Structural Shapes, Steel Plate A36 Structural Steel	4,650.08	830.62
			Note: Up to 21.5 LB per SF		
			<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	283.64	
			<i>For Hot Dip Galvanizing, Add</i>	992.75	
			<i>For >21.5 To 50 LB/LF, Deduct</i>	-520.24	
05 12 23 00-0091	LB		Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.68	0.19
05 12 23 00-0092	LB		Structural Shapes, Galvanized Pipe Supports	3.23	0.19
05 12 23 00-0093			Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094	TON		Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,798.25	270.83
05 12 23 00-0095	TON		>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,714.18	150.41
05 12 23 00-0096	TON		>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,184.40	79.62
05 12 23 00-0097	TON		>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,068.87	75.29
05 12 23 00-0098			Accessories For Steel (05 12 23)		
05 12 23 00-0099			Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0098)		
05 12 23 00-0100	SF		Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.78	
05 12 23 00-0101			Connection And Stiffener Plates (05 12 23 00-0098)		
			Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102	TON		1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,235.59	
05 12 23 00-0103	TON		3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	8,732.96	
05 12 23 00-0104	TON		1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0105	TON		5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0106	TON		3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0107	TON		1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0108	TON		9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0109	TON		5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0110	TON		3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0111	TON		7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0112	TON		1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0113			Spot Welding (05 12 23 00-0098)		
			See CSI section 05 12 23 00-0116 for a series of welds.		
05 12 23 00-0114	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.26	
			<i>For Aluminum Welding, Add</i>	1.41	
			<i>For Stainless Steel Welding, Add</i>	2.34	
05 12 23 00-0115	EA		>15 Spot Weldings, Welds Up To 1" Length Each	7.47	
			<i>For Aluminum Welding, Add</i>	1.29	
			<i>For Stainless Steel Welding, Add</i>	2.09	
05 12 23 00-0116			Field Welding (Seam And Stitch Welding) (05 12 23 00-0098)		
05 12 23 00-0117			Vertical Fillet Welds (05 12 23 00-0116)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0118	LF		3/16" Vertical Fillet Weld	9.64	
			<i>For Aluminum Welding, Add</i>	1.60	
			<i>For Stainless Steel Welding, Add</i>	2.60	
			<i>For Up To 25, Add</i>	3.31	
			<i>For >25 To 50, Add</i>	2.36	
05 12 23 00-0119	LF		1/4" Vertical Fillet Weld	14.47	
			<i>For Aluminum Welding, Add</i>	2.40	
			<i>For Stainless Steel Welding, Add</i>	3.90	
			<i>For Up To 25, Add</i>	4.97	
			<i>For >25 To 50, Add</i>	3.54	
05 12 23 00-0120	LF		5/16" Vertical Fillet Weld	19.29	
			<i>For Aluminum Welding, Add</i>	3.21	
			<i>For Stainless Steel Welding, Add</i>	5.21	
			<i>For Up To 25, Add</i>	6.62	
			<i>For >25 To 50, Add</i>	4.72	
05 12 23 00-0121	LF		3/8" Vertical Fillet Weld	24.12	
			<i>For Aluminum Welding, Add</i>	4.00	
			<i>For Stainless Steel Welding, Add</i>	6.51	
			<i>For Up To 25, Add</i>	8.28	
			<i>For >25 To 50, Add</i>	5.90	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0122	LF		7/16" Vertical Fillet Weld.....	28.67	
			<i>For Aluminum Welding, Add</i>	4.60	
			<i>For Stainless Steel Welding, Add</i>	7.54	
			<i>For Up To 25, Add</i>	9.91	
			<i>For >25 To 50, Add</i>	7.07	
05 12 23 00-0123	LF		1/2" Vertical Fillet Weld.....	33.40	
			<i>For Aluminum Welding, Add</i>	5.54	
			<i>For Stainless Steel Welding, Add</i>	9.02	
			<i>For Up To 25, Add</i>	11.47	
			<i>For >25 To 50, Add</i>	8.17	
05 12 23 00-0124	LF		9/16" Vertical Fillet Weld.....	39.21	
			<i>For Aluminum Welding, Add</i>	6.36	
			<i>For Stainless Steel Welding, Add</i>	10.40	
			<i>For Up To 25, Add</i>	13.53	
			<i>For >25 To 50, Add</i>	9.64	
05 12 23 00-0125	LF		5/8" Vertical Fillet Weld.....	43.20	
			<i>For Aluminum Welding, Add</i>	7.04	
			<i>For Stainless Steel Welding, Add</i>	11.51	
			<i>For Up To 25, Add</i>	14.89	
			<i>For >25 To 50, Add</i>	10.61	
05 12 23 00-0126	LF		3/4" Vertical Fillet Weld.....	59.35	
			<i>For Aluminum Welding, Add</i>	9.87	
			<i>For Stainless Steel Welding, Add</i>	16.05	
			<i>For Up To 25, Add</i>	20.37	
			<i>For >25 To 50, Add</i>	14.52	
05 12 23 00-0127	LF		7/8" Vertical Fillet Weld.....	78.36	
			<i>For Aluminum Welding, Add</i>	12.83	
			<i>For Stainless Steel Welding, Add</i>	20.94	
			<i>For Up To 25, Add</i>	26.98	
			<i>For >25 To 50, Add</i>	19.23	
05 12 23 00-0128	LF		1" Vertical Fillet Weld.....	108.68	
			<i>For Aluminum Welding, Add</i>	18.11	
			<i>For Stainless Steel Welding, Add</i>	29.44	
			<i>For Up To 25, Add</i>	37.28	
			<i>For >25 To 50, Add</i>	26.57	
05 12 23 00-0129			Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0116)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0130	LF		1/8" Horizontal Or Flat Fillet Weld.....	5.49	
			<i>For Aluminum Welding, Add</i>	0.94	
			<i>For Stainless Steel Welding, Add</i>	1.52	
			<i>For Up To 25, Add</i>	1.87	
			<i>For >25 To 50, Add</i>	1.33	
05 12 23 00-0131	LF		3/16" Horizontal Or Flat Fillet Weld.....	7.31	
			<i>For Aluminum Welding, Add</i>	1.25	
			<i>For Stainless Steel Welding, Add</i>	2.02	
			<i>For Up To 25, Add</i>	2.49	
			<i>For >25 To 50, Add</i>	1.78	
05 12 23 00-0132	LF		1/4" Horizontal Or Flat Fillet Weld.....	10.96	
			<i>For Aluminum Welding, Add</i>	1.88	
			<i>For Stainless Steel Welding, Add</i>	3.04	
			<i>For Up To 25, Add</i>	3.74	
			<i>For >25 To 50, Add</i>	2.66	
05 12 23 00-0133	LF		5/16" Horizontal Or Flat Fillet Weld.....	14.63	
			<i>For Aluminum Welding, Add</i>	2.52	
			<i>For Stainless Steel Welding, Add</i>	4.06	
			<i>For Up To 25, Add</i>	4.99	
			<i>For >25 To 50, Add</i>	3.55	
05 12 23 00-0134	LF		3/8" Horizontal Or Flat Fillet Weld.....	18.27	
			<i>For Aluminum Welding, Add</i>	3.14	
			<i>For Stainless Steel Welding, Add</i>	5.06	
			<i>For Up To 25, Add</i>	6.23	
			<i>For >25 To 50, Add</i>	4.44	
05 12 23 00-0135	LF		7/16" Horizontal Or Flat Fillet Weld.....	21.12	
			<i>For Aluminum Welding, Add</i>	3.49	
			<i>For Stainless Steel Welding, Add</i>	5.68	
			<i>For Up To 25, Add</i>	7.26	
			<i>For >25 To 50, Add</i>	5.17	
05 12 23 00-0136	LF		1/2" Horizontal Or Flat Fillet Weld.....	25.80	
			<i>For Aluminum Welding, Add</i>	4.43	
			<i>For Stainless Steel Welding, Add</i>	7.15	
			<i>For Up To 25, Add</i>	8.80	
			<i>For >25 To 50, Add</i>	6.26	
05 12 23 00-0137	LF		9/16" Horizontal Or Flat Fillet Weld.....	29.02	
			<i>For Aluminum Welding, Add</i>	4.86	
			<i>For Stainless Steel Welding, Add</i>	7.89	
			<i>For Up To 25, Add</i>	9.94	
			<i>For >25 To 50, Add</i>	7.09	
05 12 23 00-0138	LF		5/8" Horizontal Or Flat Fillet Weld.....	34.86	
			<i>For Aluminum Welding, Add</i>	5.89	
			<i>For Stainless Steel Welding, Add</i>	9.54	
			<i>For Up To 25, Add</i>	11.93	
			<i>For >25 To 50, Add</i>	8.50	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0139	LF		3/4" Horizontal Or Flat Fillet Weld.....	43.95	
			<i>For Aluminum Welding, Add</i>	7.61	
			<i>For Stainless Steel Welding, Add</i>	12.26	
			<i>For Up To 25, Add</i>	14.96	
			<i>For >25 To 50, Add</i>	10.65	
05 12 23 00-0140	LF		7/8" Horizontal Or Flat Fillet Weld.....	66.50	
			<i>For Aluminum Welding, Add</i>	10.98	
			<i>For Stainless Steel Welding, Add</i>	17.89	
			<i>For Up To 25, Add</i>	22.86	
			<i>For >25 To 50, Add</i>	16.29	
05 12 23 00-0141	LF		1" Horizontal Or Flat Fillet Weld.....	87.69	
			<i>For Aluminum Welding, Add</i>	15.05	
			<i>For Stainless Steel Welding, Add</i>	24.29	
			<i>For Up To 25, Add</i>	29.90	
			<i>For >25 To 50, Add</i>	21.29	
05 12 23 00-0142			Cold Galvanizing (05 12 23 00-0098)		
05 12 23 00-0143	SF		Brush Applied Cold Galvanizing.....	1.48	
05 12 23 00-0144			Metal Grinding (05 12 23 00-0098)		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0145	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.72	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0146			Structural Steel For Buildings And Structures (05 12 23)		
05 12 23 00-0147			First Tier A992/A36 Structural Steel Columns (05 12 23 00-0146)		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0148	LF		W14 x 500 A992/A36 Structural Column	734.85	46.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	66.14	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	146.97	
05 12 23 00-0149	LF		W14 x 426 A992/A36 Structural Column	577.07	40.98
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.94	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	115.41	
05 12 23 00-0150	LF		W14 x 342 A992/A36 Structural Column	467.09	35.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.04	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.42	
05 12 23 00-0151	LF		W14 x 311 A992/A36 Structural Column	420.93	33.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.88	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.19	
05 12 23 00-0152	LF		W14 x 283 A992/A36 Structural Column	382.28	31.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.46	
05 12 23 00-0153	LF		W14 x 257 A992/A36 Structural Column	336.44	29.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.28	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.29	
05 12 23 00-0154	LF		W14 x 233 A992/A36 Structural Column	309.66	27.54
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	27.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.93	
05 12 23 00-0155	LF		W14 x 211 A992/A36 Structural Column	275.67	25.64
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.13	
05 12 23 00-0156	LF		W14 x 193 A992/A36 Structural Column	249.57	24.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.46	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.91	
05 12 23 00-0157	LF		W14 x 176 A992/A36 Structural Column	225.18	23.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.04	
05 12 23 00-0158	LF		W14 x 159 A992/A36 Structural Column	203.86	22.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.77	
05 12 23 00-0159	LF		W14 x 145 A992/A36 Structural Column	197.03	21.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.41	
05 12 23 00-0160	LF		W14 x 132 A992/A36 Structural Column	168.91	20.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.78	
05 12 23 00-0161	LF		W14 x 120 A992/A36 Structural Column	158.53	20.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.71	
05 12 23 00-0162	LF		W14 x 109 A992/A36 Structural Column	142.20	19.41
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.80	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.44	
05 12 23 00-0163	LF		W14 x 99 A992/A36 Structural Column	129.95	18.87
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.70	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.99	
05 12 23 00-0164	LF		W14 x 90 A992/A36 Structural Column	120.90	18.42
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.88	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165	LF		W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.56 10.04 22.31	17.87
05 12 23 00-0166	LF		W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	100.96 9.09 20.19	17.42
05 12 23 00-0167	LF		W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.48 8.50 18.90	17.16
05 12 23 00-0168	LF		W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.37 7.77 17.27	16.70
05 12 23 00-0169	LF		W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.86 7.10 15.77	16.25
05 12 23 00-0170	LF		W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.04 6.66 14.81	15.98
05 12 23 00-0171	LF		W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.05 6.03 13.41	15.71
05 12 23 00-0172	LF		W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	262.62 23.64 52.52	24.91
05 12 23 00-0173	LF		W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	248.25 22.34 49.65	24.19
05 12 23 00-0174	LF		W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	214.33 19.29 42.87	22.48
05 12 23 00-0175	LF		W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	203.85 18.35 40.77	21.85
05 12 23 00-0176	LF		W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.02 13.95 31.00	20.04
05 12 23 00-0177	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.02 12.87 28.60	19.41
05 12 23 00-0178	LF		W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	128.21 11.54 25.64	18.78
05 12 23 00-0179	LF		W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.45 10.66 23.69	18.15
05 12 23 00-0180	LF		W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.24 9.38 20.85	17.61
05 12 23 00-0181	LF		W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.61 8.60 19.12	17.16
05 12 23 00-0182	LF		W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.59 7.88 17.52	16.79
05 12 23 00-0183	LF		W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.82 7.63 16.96	16.61
05 12 23 00-0184	LF		W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.86 7.10 15.77	16.25
05 12 23 00-0185	LF		W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.50 6.89 15.30	16.15
05 12 23 00-0186	LF		W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.71 6.27 13.94	15.80
05 12 23 00-0187	LF		W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.72 5.64 12.54	15.44
05 12 23 00-0188	LF		W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.49 13.45 29.90	19.77
05 12 23 00-0189	LF		W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	135.42 12.19 27.08	18.96
05 12 23 00-0190	LF		W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.96 10.98 24.39	18.33
05 12 23 00-0191	LF		W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.70 9.78 21.74	17.61
05 12 23 00-0192	LF		W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.11 8.83 19.62	17.16

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0193	LF		W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.37 7.77 17.27	16.70
05 12 23 00-0194	LF		W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.77 7.72 17.15	16.43
05 12 23 00-0195	LF		W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.59 6.80 15.12	16.15
05 12 23 00-0196	LF		W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.02 6.57 14.60	15.89
05 12 23 00-0197	LF		W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.85 5.75 12.77	15.62
05 12 23 00-0198	LF		W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.94 5.03 11.19	15.16
05 12 23 00-0199	LF		W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.59 8.51 18.92	17.16
05 12 23 00-0200	LF		W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.13 7.66 17.03	16.61
05 12 23 00-0201	LF		W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.42 6.88 15.28	16.15
05 12 23 00-0202	LF		W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.91 5.93 13.18	15.71
05 12 23 00-0203	LF		W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.75 5.38 11.95	15.34
05 12 23 00-0204	LF		W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.80 4.93 10.96	15.16
05 12 23 00-0205	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.72 4.65 10.34	14.98
05 12 23 00-0206	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.02 4.32 9.60	14.81
05 12 23 00-0207	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.56 4.10 9.11	14.71
05 12 23 00-0208	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.92 3.68 8.18	14.45
05 12 23 00-0209	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.30 4.53 10.06	14.81
05 12 23 00-0210	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.88 3.86 8.58	14.53
05 12 23 00-0211	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.04 3.33 7.41	14.08
05 12 23 00-0212	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.87 3.14 6.97	14.08
05 12 23 00-0213	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.07 2.89 6.41	13.99
05 12 23 00-0214	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.26 3.80 8.45	14.53
05 12 23 00-0215	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.06 3.52 7.81	14.45
05 12 23 00-0216	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.71 3.30 7.34	14.27
05 12 23 00-0217	LF		M6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.68 2.49 5.54	14.53
05 12 23 00-0218	LF		M5 x 18.9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.76 4.12 9.15	14.53
05 12 23 00-0219	LF		M5 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.95 3.42 7.59	14.27
05 12 23 00-0220	LF		S5 x 17.25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.52 3.74 8.30	14.45



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0221	LF		S5 x 14.75 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.80 3.49 7.76	14.35
05 12 23 00-0222	LF		S5 x 12.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.55 3.29 7.31	14.08
05 12 23 00-0223	LF		S5 x 10 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.25 2.99 6.65	13.99
05 12 23 00-0224	LF		S4 x 9.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.40 2.92 6.48	13.99
05 12 23 00-0225	LF		S4 x 7.7 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.44 2.74 6.09	13.99
05 12 23 00-0226	LF		S3 x 7.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.25 2.72 6.05	13.99
05 12 23 00-0227	LF		S3 x 5.7 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.90 2.51 5.58	13.90
05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders (05 12 23 00-0146)					
Note: Includes material delivery and erection.					
05 12 23 00-0229	LF		W36 x 280 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	320.54 28.85 64.11 2.48 -101.35 38.46	67.71
05 12 23 00-0230	LF		W36 x 260 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	304.20 27.38 60.84 2.33 -95.77 36.50	66.89
05 12 23 00-0231	LF		W36 x 210 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	262.56 23.63 52.51 1.94 -81.54 31.51	64.73
05 12 23 00-0232	LF		W36 x 160 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	220.95 19.89 44.19 1.54 -67.31 26.51	62.66
05 12 23 00-0233	LF		W36 x 150 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	212.43 19.12 42.49 1.46 -64.40 25.49	62.20
05 12 23 00-0234	LF		W36 x 135 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	200.50 18.05 40.10 1.35 -60.32 24.06	61.66
05 12 23 00-0235	LF		W33 x 201 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	254.66 22.92 50.93 1.86 -78.84 30.56	64.28
05 12 23 00-0236	LF		W33 x 170 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	230.11 20.71 46.02 1.63 -70.45 27.61	63.10
05 12 23 00-0237	LF		W33 x 141 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	205.63 18.51 41.13 1.40 -62.07 24.68	61.84
05 12 23 00-0238	LF		W33 x 130 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	195.98 17.64 39.20 1.31 -58.78 23.52	61.39

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0239	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	184.76	60.85
			For High Strength Low Alloy A572-50 Steel, Add	16.63	
			For High Strength Low Alloy A588 Steel, Add	36.95	
			For Each Additional Top Copes >2, Add	1.20	
			For Structural Tees, WT, MT Or ST, Deduct	-54.93	
			For Skewed Or Sloped Connections, Add	22.17	
05 12 23 00-0240	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	244.06	63.83
			For High Strength Low Alloy A572-50 Steel, Add	21.97	
			For High Strength Low Alloy A588 Steel, Add	48.81	
			For Each Additional Top Copes >2, Add	1.76	
			For Structural Tees, WT, MT Or ST, Deduct	-75.20	
			For Skewed Or Sloped Connections, Add	29.29	
05 12 23 00-0241	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	212.61	62.29
			For High Strength Low Alloy A572-50 Steel, Add	19.13	
			For High Strength Low Alloy A588 Steel, Add	42.52	
			For Each Additional Top Copes >2, Add	1.46	
			For Structural Tees, WT, MT Or ST, Deduct	-64.45	
			For Skewed Or Sloped Connections, Add	25.51	
05 12 23 00-0242	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	181.26	60.76
			For High Strength Low Alloy A572-50 Steel, Add	16.31	
			For High Strength Low Alloy A588 Steel, Add	36.25	
			For Each Additional Top Copes >2, Add	1.16	
			For Structural Tees, WT, MT Or ST, Deduct	-53.72	
			For Skewed Or Sloped Connections, Add	21.75	
05 12 23 00-0243	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	167.30	54.71
			For High Strength Low Alloy A572-50 Steel, Add	15.06	
			For High Strength Low Alloy A588 Steel, Add	33.46	
			For Each Additional Top Copes >2, Add	1.09	
			For Structural Tees, WT, MT Or ST, Deduct	-49.81	
			For Skewed Or Sloped Connections, Add	20.08	
05 12 23 00-0244	LF		W30 x 99 A992/A36 Structural Beam Or Girder	160.41	54.44
			For High Strength Low Alloy A572-50 Steel, Add	14.44	
			For High Strength Low Alloy A588 Steel, Add	32.08	
			For Each Additional Top Copes >2, Add	1.02	
			For Structural Tees, WT, MT Or ST, Deduct	-47.45	
			For Skewed Or Sloped Connections, Add	19.25	
05 12 23 00-0245	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	161.12	54.44
			For High Strength Low Alloy A572-50 Steel, Add	14.50	
			For High Strength Low Alloy A588 Steel, Add	32.22	
			For Each Additional Top Copes >2, Add	1.03	
			For Structural Tees, WT, MT Or ST, Deduct	-47.69	
			For Skewed Or Sloped Connections, Add	19.33	
05 12 23 00-0246	LF		W27 x 94 A992/A36 Structural Beam Or Girder	154.64	54.08
			For High Strength Low Alloy A572-50 Steel, Add	13.92	
			For High Strength Low Alloy A588 Steel, Add	30.93	
			For Each Additional Top Copes >2, Add	0.97	
			For Structural Tees, WT, MT Or ST, Deduct	-45.47	
			For Skewed Or Sloped Connections, Add	18.56	
05 12 23 00-0247	LF		W27 x 84 A992/A36 Structural Beam Or Girder	146.75	53.71
			For High Strength Low Alloy A572-50 Steel, Add	13.21	
			For High Strength Low Alloy A588 Steel, Add	29.35	
			For Each Additional Top Copes >2, Add	0.90	
			For Structural Tees, WT, MT Or ST, Deduct	-42.78	
			For Skewed Or Sloped Connections, Add	17.61	
05 12 23 00-0248	LF		W24 x 94 A992/A36 Structural Beam Or Girder	148.74	54.08
			For High Strength Low Alloy A572-50 Steel, Add	13.39	
			For High Strength Low Alloy A588 Steel, Add	29.75	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-43.41	
			For Skewed Or Sloped Connections, Add	17.85	
05 12 23 00-0249	LF		W24 x 84 A992/A36 Structural Beam Or Girder	135.31	47.94
			For High Strength Low Alloy A572-50 Steel, Add	12.18	
			For High Strength Low Alloy A588 Steel, Add	27.06	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-39.68	
			For Skewed Or Sloped Connections, Add	16.24	
05 12 23 00-0250	LF		W24 x 76 A992/A36 Structural Beam Or Girder	129.24	47.58
			For High Strength Low Alloy A572-50 Steel, Add	11.63	
			For High Strength Low Alloy A588 Steel, Add	25.85	
			For Each Additional Top Copes >2, Add	0.78	
			For Structural Tees, WT, MT Or ST, Deduct	-37.61	
			For Skewed Or Sloped Connections, Add	15.51	
05 12 23 00-0251	LF		W24 x 68 A992/A36 Structural Beam Or Girder	121.64	47.30
			For High Strength Low Alloy A572-50 Steel, Add	10.95	
			For High Strength Low Alloy A588 Steel, Add	24.33	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-35.00	
			For Skewed Or Sloped Connections, Add	14.60	
05 12 23 00-0252	LF		W24 x 62 A992/A36 Structural Beam Or Girder	117.63	47.03
			For High Strength Low Alloy A572-50 Steel, Add	10.59	
			For High Strength Low Alloy A588 Steel, Add	23.53	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-33.64	
			For Skewed Or Sloped Connections, Add	14.12	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0253	LF		W24 x 55 A992/A36 Structural Beam Or Girder	112.18	46.85
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.78	
			<i>For Skewed Or Sloped Connections, Add</i>	13.46	
05 12 23 00-0254	LF		W21 x 93 A992/A36 Structural Beam Or Girder	140.20	48.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.04	
			<i>For Each Additional Top Copes >2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.31	
			<i>For Skewed Or Sloped Connections, Add</i>	16.82	
05 12 23 00-0255	LF		W21 x 83 A992/A36 Structural Beam Or Girder	133.03	47.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.97	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.61	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.88	
			<i>For Skewed Or Sloped Connections, Add</i>	15.96	
05 12 23 00-0256	LF		W21 x 73 A992/A36 Structural Beam Or Girder	124.29	47.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.19	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.86	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.89	
			<i>For Skewed Or Sloped Connections, Add</i>	14.91	
05 12 23 00-0257	LF		W21 x 68 A992/A36 Structural Beam Or Girder	119.88	47.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.79	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.98	
			<i>For Each Additional Top Copes >2, Add</i>	0.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.39	
			<i>For Skewed Or Sloped Connections, Add</i>	14.39	
05 12 23 00-0258	LF		W21 x 62 A992/A36 Structural Beam Or Girder	115.87	47.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.03	
			<i>For Skewed Or Sloped Connections, Add</i>	13.90	
05 12 23 00-0259	LF		W21 x 57 A992/A36 Structural Beam Or Girder	112.27	46.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.45	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.79	
			<i>For Skewed Or Sloped Connections, Add</i>	13.47	
05 12 23 00-0260	LF		W21 x 50 A992/A36 Structural Beam Or Girder	99.35	40.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.94	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.87	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.25	
			<i>For Skewed Or Sloped Connections, Add</i>	11.92	
05 12 23 00-0261	LF		W21 x 44 A992/A36 Structural Beam Or Girder	95.15	40.54
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.56	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.82	
			<i>For Skewed Or Sloped Connections, Add</i>	11.42	
05 12 23 00-0262	LF		W18 x 97 A992/A36 Structural Beam Or Girder	143.09	48.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.88	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.62	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.31	
			<i>For Skewed Or Sloped Connections, Add</i>	17.17	
05 12 23 00-0263	LF		W18 x 86 A992/A36 Structural Beam Or Girder	134.88	48.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.14	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.98	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.52	
			<i>For Skewed Or Sloped Connections, Add</i>	16.19	
05 12 23 00-0264	LF		W18 x 76 A992/A36 Structural Beam Or Girder	127.48	47.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.47	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.00	
			<i>For Skewed Or Sloped Connections, Add</i>	15.30	
05 12 23 00-0265	LF		W18 x 71 A992/A36 Structural Beam Or Girder	122.12	47.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.42	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.15	
			<i>For Skewed Or Sloped Connections, Add</i>	14.65	
05 12 23 00-0266	LF		W18 x 65 A992/A36 Structural Beam Or Girder	116.88	47.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.52	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.38	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.35	
			<i>For Skewed Or Sloped Connections, Add</i>	14.03	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0267	LF		W18 x 60 A992/A36 Structural Beam Or Girder	112.16	46.95
			For High Strength Low Alloy A572-50 Steel, Add	10.09	
			For High Strength Low Alloy A588 Steel, Add	22.43	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-31.74	
			For Skewed Or Sloped Connections, Add	13.46	
05 12 23 00-0268	LF		W18 x 55 A992/A36 Structural Beam Or Girder	107.41	46.85
			For High Strength Low Alloy A572-50 Steel, Add	9.67	
			For High Strength Low Alloy A588 Steel, Add	21.48	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-30.11	
			For Skewed Or Sloped Connections, Add	12.89	
05 12 23 00-0269	LF		W18 x 50 A992/A36 Structural Beam Or Girder	96.45	40.72
			For High Strength Low Alloy A572-50 Steel, Add	8.68	
			For High Strength Low Alloy A588 Steel, Add	19.29	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-27.23	
			For Skewed Or Sloped Connections, Add	11.57	
05 12 23 00-0270	LF		W18 x 46 A992/A36 Structural Beam Or Girder	92.74	40.62
			For High Strength Low Alloy A572-50 Steel, Add	8.35	
			For High Strength Low Alloy A588 Steel, Add	18.55	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-25.96	
			For Skewed Or Sloped Connections, Add	11.13	
05 12 23 00-0271	LF		W18 x 40 A992/A36 Structural Beam Or Girder	80.93	34.67
			For High Strength Low Alloy A572-50 Steel, Add	7.28	
			For High Strength Low Alloy A588 Steel, Add	16.19	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-22.77	
			For Skewed Or Sloped Connections, Add	9.71	
05 12 23 00-0272	LF		W18 x 35 A992/A36 Structural Beam Or Girder	76.30	34.57
			For High Strength Low Alloy A572-50 Steel, Add	6.87	
			For High Strength Low Alloy A588 Steel, Add	15.26	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-21.18	
			For Skewed Or Sloped Connections, Add	9.16	
05 12 23 00-0273	LF		W16 x 100 A992/A36 Structural Beam Or Girder	131.68	31.51
			For High Strength Low Alloy A572-50 Steel, Add	11.85	
			For High Strength Low Alloy A588 Steel, Add	26.34	
			For Each Additional Top Copes >2, Add	0.98	
			For Structural Tees, WT, MT Or ST, Deduct	-41.05	
			For Skewed Or Sloped Connections, Add	15.80	
05 12 23 00-0274	LF		W16 x 89 A992/A36 Structural Beam Or Girder	121.21	30.96
			For High Strength Low Alloy A572-50 Steel, Add	10.91	
			For High Strength Low Alloy A588 Steel, Add	24.24	
			For Each Additional Top Copes >2, Add	0.88	
			For Structural Tees, WT, MT Or ST, Deduct	-37.47	
			For Skewed Or Sloped Connections, Add	14.55	
05 12 23 00-0275	LF		W16 x 77 A992/A36 Structural Beam Or Girder	109.97	30.60
			For High Strength Low Alloy A572-50 Steel, Add	9.90	
			For High Strength Low Alloy A588 Steel, Add	21.99	
			For Each Additional Top Copes >2, Add	0.77	
			For Structural Tees, WT, MT Or ST, Deduct	-33.60	
			For Skewed Or Sloped Connections, Add	13.20	
05 12 23 00-0276	LF		W16 x 67 A992/A36 Structural Beam Or Girder	100.41	30.15
			For High Strength Low Alloy A572-50 Steel, Add	9.04	
			For High Strength Low Alloy A588 Steel, Add	20.08	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-30.32	
			For Skewed Or Sloped Connections, Add	12.05	
05 12 23 00-0277	LF		W16 x 57 A992/A36 Structural Beam Or Girder	90.95	29.71
			For High Strength Low Alloy A572-50 Steel, Add	8.19	
			For High Strength Low Alloy A588 Steel, Add	18.19	
			For Each Additional Top Copes >2, Add	0.59	
			For Structural Tees, WT, MT Or ST, Deduct	-27.08	
			For Skewed Or Sloped Connections, Add	10.91	
05 12 23 00-0278	LF		W16 x 50 A992/A36 Structural Beam Or Girder	84.35	29.43
			For High Strength Low Alloy A572-50 Steel, Add	7.59	
			For High Strength Low Alloy A588 Steel, Add	16.87	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-24.81	
			For Skewed Or Sloped Connections, Add	10.12	
05 12 23 00-0279	LF		W16 x 45 A992/A36 Structural Beam Or Girder	79.71	29.25
			For High Strength Low Alloy A572-50 Steel, Add	7.17	
			For High Strength Low Alloy A588 Steel, Add	15.94	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-23.21	
			For Skewed Or Sloped Connections, Add	9.57	
05 12 23 00-0280	LF		W16 x 40 A992/A36 Structural Beam Or Girder	74.88	28.98
			For High Strength Low Alloy A572-50 Steel, Add	6.74	
			For High Strength Low Alloy A588 Steel, Add	14.98	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-21.56	
			For Skewed Or Sloped Connections, Add	8.99	



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0281	LF		W16 x 36 A992/A36 Structural Beam Or Girder	71.10	28.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.22	
			<i>For Each Additional Top Copes >2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.28	
			<i>For Skewed Or Sloped Connections, Add</i>	8.53	
05 12 23 00-0282	LF		W16 x 31 A992/A36 Structural Beam Or Girder	60.31	22.93
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.06	
			<i>For Each Additional Top Copes >2, Add</i>	0.36	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.44	
			<i>For Skewed Or Sloped Connections, Add</i>	7.24	
05 12 23 00-0283	LF		W16 x 26 A992/A36 Structural Beam Or Girder	64.59	22.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.92	
			<i>For Each Additional Top Copes >2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.98	
			<i>For Skewed Or Sloped Connections, Add</i>	7.75	
05 12 23 00-0284	LF		W14 x 99 A992/A36 Structural Beam Or Girder	124.71	25.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.94	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.52	
			<i>For Skewed Or Sloped Connections, Add</i>	14.97	
05 12 23 00-0285	LF		W14 x 90 A992/A36 Structural Beam Or Girder	116.17	25.36
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.46	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.23	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.60	
			<i>For Skewed Or Sloped Connections, Add</i>	13.94	
05 12 23 00-0286	LF		W14 x 82 A992/A36 Structural Beam Or Girder	108.56	25.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.71	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.99	
			<i>For Skewed Or Sloped Connections, Add</i>	13.03	
05 12 23 00-0287	LF		W14 x 74 A992/A36 Structural Beam Or Girder	100.96	24.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.09	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.19	
			<i>For Each Additional Top Copes >2, Add</i>	0.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.38	
			<i>For Skewed Or Sloped Connections, Add</i>	12.12	
05 12 23 00-0288	LF		W14 x 68 A992/A36 Structural Beam Or Girder	95.29	24.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.58	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.06	
			<i>For Each Additional Top Copes >2, Add</i>	0.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.44	
			<i>For Skewed Or Sloped Connections, Add</i>	11.43	
05 12 23 00-0289	LF		W14 x 61 A992/A36 Structural Beam Or Girder	88.70	24.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.74	
			<i>For Each Additional Top Copes >2, Add</i>	0.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.17	
			<i>For Skewed Or Sloped Connections, Add</i>	10.64	
05 12 23 00-0290	LF		W14 x 53 A992/A36 Structural Beam Or Girder	81.19	23.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.24	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.60	
			<i>For Skewed Or Sloped Connections, Add</i>	9.74	
05 12 23 00-0291	LF		W14 x 48 A992/A36 Structural Beam Or Girder	76.37	23.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.27	
			<i>For Each Additional Top Copes >2, Add</i>	0.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.95	
			<i>For Skewed Or Sloped Connections, Add</i>	9.16	
05 12 23 00-0292	LF		W14 x 43 A992/A36 Structural Beam Or Girder	71.63	23.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.33	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.32	
			<i>For Skewed Or Sloped Connections, Add</i>	8.60	
05 12 23 00-0293	LF		W14 x 38 A992/A36 Structural Beam Or Girder	66.89	23.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.38	
			<i>For Each Additional Top Copes >2, Add</i>	0.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.70	
			<i>For Skewed Or Sloped Connections, Add</i>	8.03	
05 12 23 00-0294	LF		W14 x 34 A992/A36 Structural Beam Or Girder	63.09	23.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.68	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.62	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.40	
			<i>For Skewed Or Sloped Connections, Add</i>	7.57	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0295	LF		W14 x 30 A992/A36 Structural Beam Or Girder	59.28	22.93
			For High Strength Low Alloy A572-50 Steel, Add	5.34	
			For High Strength Low Alloy A588 Steel, Add	11.86	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-17.09	
			For Skewed Or Sloped Connections, Add	7.11	
05 12 23 00-0296	LF		W14 x 26 A992/A36 Structural Beam Or Girder	55.48	22.66
			For High Strength Low Alloy A572-50 Steel, Add	4.99	
			For High Strength Low Alloy A588 Steel, Add	11.10	
			For Each Additional Top Copes >2, Add	0.31	
			For Structural Tees, WT, MT Or ST, Deduct	-15.79	
			For Skewed Or Sloped Connections, Add	6.66	
05 12 23 00-0297	LF		W14 x 22 A992/A36 Structural Beam Or Girder	51.78	22.57
			For High Strength Low Alloy A572-50 Steel, Add	4.66	
			For High Strength Low Alloy A588 Steel, Add	10.36	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-14.52	
			For Skewed Or Sloped Connections, Add	6.21	
05 12 23 00-0298	LF		W12 x 87 A992/A36 Structural Beam Or Girder	113.40	25.28
			For High Strength Low Alloy A572-50 Steel, Add	10.21	
			For High Strength Low Alloy A588 Steel, Add	22.68	
			For Each Additional Top Copes >2, Add	0.86	
			For Structural Tees, WT, MT Or ST, Deduct	-35.64	
			For Skewed Or Sloped Connections, Add	13.61	
05 12 23 00-0299	LF		W12 x 79 A992/A36 Structural Beam Or Girder	105.78	24.91
			For High Strength Low Alloy A572-50 Steel, Add	9.52	
			For High Strength Low Alloy A588 Steel, Add	21.16	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.03	
			For Skewed Or Sloped Connections, Add	12.69	
05 12 23 00-0300	LF		W12 x 72 A992/A36 Structural Beam Or Girder	99.10	24.65
			For High Strength Low Alloy A572-50 Steel, Add	8.92	
			For High Strength Low Alloy A588 Steel, Add	19.82	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-30.74	
			For Skewed Or Sloped Connections, Add	11.89	
05 12 23 00-0301	LF		W12 x 65 A992/A36 Structural Beam Or Girder	92.51	24.37
			For High Strength Low Alloy A572-50 Steel, Add	8.33	
			For High Strength Low Alloy A588 Steel, Add	18.50	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-28.48	
			For Skewed Or Sloped Connections, Add	11.10	
05 12 23 00-0302	LF		W12 x 58 A992/A36 Structural Beam Or Girder	85.83	24.02
			For High Strength Low Alloy A572-50 Steel, Add	7.72	
			For High Strength Low Alloy A588 Steel, Add	17.17	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.19	
			For Skewed Or Sloped Connections, Add	10.30	
05 12 23 00-0303	LF		W12 x 53 A992/A36 Structural Beam Or Girder	81.19	23.84
			For High Strength Low Alloy A572-50 Steel, Add	7.31	
			For High Strength Low Alloy A588 Steel, Add	16.24	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-24.60	
			For Skewed Or Sloped Connections, Add	9.74	
05 12 23 00-0304	LF		W12 x 50 A992/A36 Structural Beam Or Girder	78.22	23.74
			For High Strength Low Alloy A572-50 Steel, Add	7.04	
			For High Strength Low Alloy A588 Steel, Add	15.64	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-23.59	
			For Skewed Or Sloped Connections, Add	9.39	
05 12 23 00-0305	LF		W12 x 45 A992/A36 Structural Beam Or Girder	73.58	23.56
			For High Strength Low Alloy A572-50 Steel, Add	6.62	
			For High Strength Low Alloy A588 Steel, Add	14.72	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-21.99	
			For Skewed Or Sloped Connections, Add	8.83	
05 12 23 00-0306	LF		W12 x 40 A992/A36 Structural Beam Or Girder	62.60	17.51
			For High Strength Low Alloy A572-50 Steel, Add	5.63	
			For High Strength Low Alloy A588 Steel, Add	12.52	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-19.11	
			For Skewed Or Sloped Connections, Add	7.51	
05 12 23 00-0307	LF		W12 x 35 A992/A36 Structural Beam Or Girder	57.97	17.42
			For High Strength Low Alloy A572-50 Steel, Add	5.22	
			For High Strength Low Alloy A588 Steel, Add	11.59	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-17.51	
			For Skewed Or Sloped Connections, Add	6.96	
05 12 23 00-0308	LF		W12 x 30 A992/A36 Structural Beam Or Girder	53.15	17.16
			For High Strength Low Alloy A572-50 Steel, Add	4.78	
			For High Strength Low Alloy A588 Steel, Add	10.63	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-15.87	
			For Skewed Or Sloped Connections, Add	6.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0309	LF			W12 x 26 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	49.34 4.44 9.87 0.31 -14.56 5.92	16.98
05 12 23 00-0310	LF			W12 x 22 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	45.63 4.11 9.13 0.28 -13.29 5.48	16.79
05 12 23 00-0311	LF			W12 x 19 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	42.76 3.85 8.55 0.25 -12.30 5.13	16.70
05 12 23 00-0312	LF			W12 x 16 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	39.88 3.59 7.98 0.22 -11.32 4.79	16.43
05 12 23 00-0313	LF			W12 x 14 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	38.02 3.42 7.60 0.21 -10.68 4.56	16.43
05 12 23 00-0314	LF			W10 x 68 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	89.45 8.05 17.89 0.69 -28.30 10.73	18.87
05 12 23 00-0315	LF			W10 x 60 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	81.94 7.37 16.39 0.62 -25.73 9.83	18.50
05 12 23 00-0316	LF			W10 x 54 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	76.18 6.86 15.24 0.57 -23.75 9.14	18.15
05 12 23 00-0317	LF			W10 x 49 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	71.45 6.43 14.29 0.52 -22.14 8.57	17.97
05 12 23 00-0318	LF			W10 x 45 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	67.65 6.09 13.53 0.49 -20.83 8.12	17.87
05 12 23 00-0319	LF			W10 x 39 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	61.98 5.58 12.40 0.43 -18.89 7.44	17.51
05 12 23 00-0320	LF			W10 x 33 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	56.34 5.07 11.27 0.38 -16.96 6.76	17.24
05 12 23 00-0321	LF			W10 x 30 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	53.45 4.81 10.69 0.35 -15.96 6.41	17.16
05 12 23 00-0322	LF			W10 x 26 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	49.75 4.48 9.95 0.32 -14.69 5.97	17.06

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0323	LF		W10 x 22 A992/A36 Structural Beam Or Girder	45.84	16.79
			For High Strength Low Alloy A572-50 Steel, Add	4.13	
			For High Strength Low Alloy A588 Steel, Add	9.17	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.36	
			For Skewed Or Sloped Connections, Add	5.50	
05 12 23 00-0324	LF		W10 x 19 A992/A36 Structural Beam Or Girder	43.07	16.70
			For High Strength Low Alloy A572-50 Steel, Add	3.88	
			For High Strength Low Alloy A588 Steel, Add	8.61	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.41	
			For Skewed Or Sloped Connections, Add	5.17	
05 12 23 00-0325	LF		W10 x 17 A992/A36 Structural Beam Or Girder	41.10	16.61
			For High Strength Low Alloy A572-50 Steel, Add	3.70	
			For High Strength Low Alloy A588 Steel, Add	8.22	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-11.73	
			For Skewed Or Sloped Connections, Add	4.93	
05 12 23 00-0326	LF		W10 x 15 A992/A36 Structural Beam Or Girder	39.26	16.43
			For High Strength Low Alloy A572-50 Steel, Add	3.53	
			For High Strength Low Alloy A588 Steel, Add	7.85	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.10	
			For Skewed Or Sloped Connections, Add	4.71	
05 12 23 00-0327	LF		W10 x 12 A992/A36 Structural Beam Or Girder	36.47	16.43
			For High Strength Low Alloy A572-50 Steel, Add	3.28	
			For High Strength Low Alloy A588 Steel, Add	7.29	
			For Each Additional Top Copes >2, Add	0.19	
			For Structural Tees, WT, MT Or ST, Deduct	-10.14	
			For Skewed Or Sloped Connections, Add	4.38	
05 12 23 00-0328	LF		W8 x 35 A992/A36 Structural Beam Or Girder	58.18	17.42
			For High Strength Low Alloy A572-50 Steel, Add	5.24	
			For High Strength Low Alloy A588 Steel, Add	11.64	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.59	
			For Skewed Or Sloped Connections, Add	6.98	
05 12 23 00-0329	LF		W8 x 31 A992/A36 Structural Beam Or Girder	54.38	17.16
			For High Strength Low Alloy A572-50 Steel, Add	4.89	
			For High Strength Low Alloy A588 Steel, Add	10.88	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-16.28	
			For Skewed Or Sloped Connections, Add	6.53	
05 12 23 00-0330	LF		W8 x 28 A992/A36 Structural Beam Or Girder	50.60	16.15
			For High Strength Low Alloy A572-50 Steel, Add	4.55	
			For High Strength Low Alloy A588 Steel, Add	10.12	
			For Each Additional Top Copes >2, Add	0.33	
			For Structural Tees, WT, MT Or ST, Deduct	-15.12	
			For Skewed Or Sloped Connections, Add	6.07	
05 12 23 00-0331	LF		W8 x 24 A992/A36 Structural Beam Or Girder	46.20	15.16
			For High Strength Low Alloy A572-50 Steel, Add	4.16	
			For High Strength Low Alloy A588 Steel, Add	9.24	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-13.75	
			For Skewed Or Sloped Connections, Add	5.54	
05 12 23 00-0332	LF		W8 x 21 A992/A36 Structural Beam Or Girder	43.01	14.08
			For High Strength Low Alloy A572-50 Steel, Add	3.87	
			For High Strength Low Alloy A588 Steel, Add	8.60	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-12.79	
			For Skewed Or Sloped Connections, Add	5.16	
05 12 23 00-0333	LF		W8 x 18 A992/A36 Structural Beam Or Girder	37.77	13.09
			For High Strength Low Alloy A572-50 Steel, Add	3.40	
			For High Strength Low Alloy A588 Steel, Add	7.55	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-11.12	
			For Skewed Or Sloped Connections, Add	4.53	
05 12 23 00-0334	LF		W8 x 10 A992/A36 Structural Beam Or Girder	22.63	9.39
			For High Strength Low Alloy A572-50 Steel, Add	2.04	
			For High Strength Low Alloy A588 Steel, Add	4.53	
			For Each Additional Top Copes >2, Add	0.13	
			For Structural Tees, WT, MT Or ST, Deduct	-6.43	
			For Skewed Or Sloped Connections, Add	2.72	
05 12 23 00-0335	LF		W6 x 9 A992/A36 Structural Beam Or Girder	20.65	7.67
			For High Strength Low Alloy A572-50 Steel, Add	1.86	
			For High Strength Low Alloy A588 Steel, Add	4.13	
			For Each Additional Top Copes >2, Add	0.13	
			For Structural Tees, WT, MT Or ST, Deduct	-6.01	
			For Skewed Or Sloped Connections, Add	2.48	

05 12 23 00-0336 Angle Iron (05 12 23 00-0146)

05 12 23 00-0337 1/8" Thick (05 12 23 00-0336)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0338 LF 1/2" x 1/2" x 1/8" Angle Iron.....	2.00	1.31
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.37	
For 316 Stainless Steel, Add	0.83	
For Aluminum, Add	0.05	
For Galvanized Steel, Add	0.16	
For 304 Stainless Steel, Add	0.74	
For High Strength Steel (HSS), Add	0.40	
05 12 23 00-0339 LF 3/4" x 1/2" x 1/8" Angle Iron.....	2.30	1.48
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.42	
For 316 Stainless Steel, Add	1.06	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.20	
For 304 Stainless Steel, Add	0.94	
For High Strength Steel (HSS), Add	0.46	
05 12 23 00-0340 LF 3/4" x 3/4" x 1/8" Angle Iron.....	2.59	1.63
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	1.31	
For Aluminum, Add	0.07	
For Galvanized Steel, Add	0.25	
For 304 Stainless Steel, Add	1.17	
For High Strength Steel (HSS), Add	0.52	
05 12 23 00-0341 LF 1" x 3/4" x 1/8" Angle Iron.....	2.91	1.82
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.52	
For 316 Stainless Steel, Add	1.54	
For Aluminum, Add	0.09	
For Galvanized Steel, Add	0.30	
For 304 Stainless Steel, Add	1.37	
For High Strength Steel (HSS), Add	0.58	
05 12 23 00-0342 LF 1" x 1" x 1/8" Angle Iron.....	3.18	1.96
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.57	
For 316 Stainless Steel, Add	1.79	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.35	
For 304 Stainless Steel, Add	1.60	
For High Strength Steel (HSS), Add	0.64	
05 12 23 00-0343 LF 1-1/4" x 1-1/4" x 1/8" Angle Iron.....	3.78	2.32
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	2.24	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.43	
For 304 Stainless Steel, Add	2.00	
For High Strength Steel (HSS), Add	0.76	
05 12 23 00-0344 LF 1-1/2" x 1" x 1/8" Angle Iron.....	3.78	2.32
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	2.24	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.43	
For 304 Stainless Steel, Add	2.00	
For High Strength Steel (HSS), Add	0.76	
05 12 23 00-0345 LF 1-1/2" x 1-1/2" x 1/8" Angle Iron.....	4.53	2.77
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.80	
For 316 Stainless Steel, Add	2.72	
For Aluminum, Add	0.15	
For Galvanized Steel, Add	0.53	
For 304 Stainless Steel, Add	2.42	
For High Strength Steel (HSS), Add	0.91	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0346	LF		2" x 2" x 1/8" Angle Iron	6.16	3.76
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.53	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.09	
			For 316 Stainless Steel, Add	3.68	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.71	
			For 304 Stainless Steel, Add	3.28	
			For High Strength Steel (HSS), Add	1.23	
05 12 23 00-0347			3/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0348	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron	4.28	2.45
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.73	
			For 316 Stainless Steel, Add	3.30	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
			For 304 Stainless Steel, Add	2.94	
			For High Strength Steel (HSS), Add	0.86	
05 12 23 00-0349	LF		1-1/2" x 1" x 3/16" Angle Iron	4.28	2.45
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.73	
			For 316 Stainless Steel, Add	3.30	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
			For 304 Stainless Steel, Add	2.94	
			For High Strength Steel (HSS), Add	0.86	
05 12 23 00-0350	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron	4.74	2.62
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.59	
			For >1,000, Deduct	-0.79	
			For 316 Stainless Steel, Add	4.00	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
			For 304 Stainless Steel, Add	3.56	
			For High Strength Steel (HSS), Add	0.95	
05 12 23 00-0351	LF		2" x 2" x 3/16" Angle Iron	5.43	2.81
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.87	
			For 316 Stainless Steel, Add	5.44	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.05	
			For 304 Stainless Steel, Add	4.85	
			For High Strength Steel (HSS), Add	1.09	
05 12 23 00-0352	LF		2-1/2" x 2" x 3/16" Angle Iron	5.93	3.00
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.45	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.95	
			For 316 Stainless Steel, Add	6.14	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.19	
			For 304 Stainless Steel, Add	5.47	
			For High Strength Steel (HSS), Add	1.19	
05 12 23 00-0353	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron	6.44	3.22
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.02	
			For 316 Stainless Steel, Add	6.88	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For 304 Stainless Steel, Add	6.13	
			For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0354	LF		3" x 2" x 3/16" Angle Iron	6.43	3.22
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.02	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For 304 Stainless Steel, Add	6.10	
			For High Strength Steel (HSS), Add	1.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0355	LF		3" x 2-1/2" x 3/16" Angle Iron.....	7.11	3.55
				<i>For >100 To 250, Deduct</i>	-0.36	
				<i>For >250 To 500, Deduct</i>	-0.53	
				<i>For >500 To 1,000, Deduct</i>	-0.83	
				<i>For >1,000, Deduct</i>	-1.13	
				<i>For 316 Stainless Steel, Add</i>	7.58	
				<i>For Aluminum, Add</i>	0.43	
				<i>For Galvanized Steel, Add</i>	1.47	
				<i>For 304 Stainless Steel, Add</i>	6.75	
				<i>For High Strength Steel (HSS), Add</i>	1.42	
	05 12 23 00-0356	LF		3" x 3" x 3/16" Angle Iron.....	7.77	3.89
				<i>For >100 To 250, Deduct</i>	-0.39	
				<i>For >250 To 500, Deduct</i>	-0.58	
				<i>For >500 To 1,000, Deduct</i>	-0.91	
				<i>For >1,000, Deduct</i>	-1.23	
				<i>For 316 Stainless Steel, Add</i>	8.29	
				<i>For Aluminum, Add</i>	0.47	
				<i>For Galvanized Steel, Add</i>	1.61	
				<i>For 304 Stainless Steel, Add</i>	7.38	
				<i>For High Strength Steel (HSS), Add</i>	1.55	
	05 12 23 00-0357			1/4" Thick <small>(05 12 23 00-0336)</small>		
	05 12 23 00-0358	LF		1-1/2" x 1" x 1/4" Angle Iron.....	4.76	2.58
				<i>For >100 To 250, Deduct</i>	-0.26	
				<i>For >250 To 500, Deduct</i>	-0.38	
				<i>For >500 To 1,000, Deduct</i>	-0.58	
				<i>For >1,000, Deduct</i>	-0.79	
				<i>For 316 Stainless Steel, Add</i>	4.22	
				<i>For Aluminum, Add</i>	0.24	
				<i>For Galvanized Steel, Add</i>	0.82	
				<i>For 304 Stainless Steel, Add</i>	3.76	
				<i>For High Strength Steel (HSS), Add</i>	0.95	
	05 12 23 00-0359	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron.....	5.30	2.76
				<i>For >100 To 250, Deduct</i>	-0.28	
				<i>For >250 To 500, Deduct</i>	-0.41	
				<i>For >500 To 1,000, Deduct</i>	-0.63	
				<i>For >1,000, Deduct</i>	-0.86	
				<i>For 316 Stainless Steel, Add</i>	5.18	
				<i>For Aluminum, Add</i>	0.29	
				<i>For Galvanized Steel, Add</i>	1.00	
				<i>For 304 Stainless Steel, Add</i>	4.62	
				<i>For High Strength Steel (HSS), Add</i>	1.06	
	05 12 23 00-0360	LF		2" x 2" x 1/4" Angle Iron.....	6.15	2.94
				<i>For >100 To 250, Deduct</i>	-0.29	
				<i>For >250 To 500, Deduct</i>	-0.45	
				<i>For >500 To 1,000, Deduct</i>	-0.70	
				<i>For >1,000, Deduct</i>	-0.95	
				<i>For 316 Stainless Steel, Add</i>	7.10	
				<i>For Aluminum, Add</i>	0.40	
				<i>For Galvanized Steel, Add</i>	1.38	
				<i>For 304 Stainless Steel, Add</i>	6.33	
				<i>For High Strength Steel (HSS), Add</i>	1.23	
	05 12 23 00-0361	LF		2-1/2" x 2" x 1/4" Angle Iron.....	6.88	3.26
				<i>For >100 To 250, Deduct</i>	-0.33	
				<i>For >250 To 500, Deduct</i>	-0.50	
				<i>For >500 To 1,000, Deduct</i>	-0.78	
				<i>For >1,000, Deduct</i>	-1.06	
				<i>For 316 Stainless Steel, Add</i>	8.10	
				<i>For Aluminum, Add</i>	0.46	
				<i>For Galvanized Steel, Add</i>	1.57	
				<i>For 304 Stainless Steel, Add</i>	7.21	
				<i>For High Strength Steel (HSS), Add</i>	1.38	
	05 12 23 00-0362	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron.....	7.63	3.57
				<i>For >100 To 250, Deduct</i>	-0.36	
				<i>For >250 To 500, Deduct</i>	-0.55	
				<i>For >500 To 1,000, Deduct</i>	-0.86	
				<i>For >1,000, Deduct</i>	-1.17	
				<i>For 316 Stainless Steel, Add</i>	9.15	
				<i>For Aluminum, Add</i>	0.51	
				<i>For Galvanized Steel, Add</i>	1.77	
				<i>For 304 Stainless Steel, Add</i>	8.15	
				<i>For High Strength Steel (HSS), Add</i>	1.53	
	05 12 23 00-0363	LF		3" x 2" x 1/4" Angle Iron.....	7.63	3.57
				<i>For >100 To 250, Deduct</i>	-0.36	
				<i>For >250 To 500, Deduct</i>	-0.55	
				<i>For >500 To 1,000, Deduct</i>	-0.86	
				<i>For >1,000, Deduct</i>	-1.17	
				<i>For 316 Stainless Steel, Add</i>	9.15	
				<i>For Aluminum, Add</i>	0.51	
				<i>For Galvanized Steel, Add</i>	1.77	
				<i>For 304 Stainless Steel, Add</i>	8.15	
				<i>For High Strength Steel (HSS), Add</i>	1.53	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF		3" x 2-1/2" x 1/4" Angle Iron	8.44	3.97
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.30	
			For 316 Stainless Steel, Add	10.05	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For 304 Stainless Steel, Add	8.95	
			For High Strength Steel (HSS), Add	1.69	
05 12 23 00-0365	LF		3" x 3" x 1/4" Angle Iron	9.23	4.36
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000, Deduct	-1.42	
			For 316 Stainless Steel, Add	10.91	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.11	
			For 304 Stainless Steel, Add	9.72	
			For High Strength Steel (HSS), Add	1.85	
05 12 23 00-0366	LF		3-1/2" x 3" x 1/4" Angle Iron	10.01	4.69
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.13	
			For >1,000, Deduct	-1.53	
			For 316 Stainless Steel, Add	12.03	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	10.72	
			For High Strength Steel (HSS), Add	2.00	
05 12 23 00-0367	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron	10.58	0.49
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.75	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000, Deduct	-1.61	
			For 316 Stainless Steel, Add	12.96	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.51	
			For 304 Stainless Steel, Add	11.54	
			For High Strength Steel (HSS), Add	2.12	
05 12 23 00-0368	LF		4" x 3" x 1/4" Angle Iron	10.58	4.89
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.75	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000, Deduct	-1.61	
			For 316 Stainless Steel, Add	12.96	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.51	
			For 304 Stainless Steel, Add	11.54	
			For High Strength Steel (HSS), Add	2.12	
05 12 23 00-0369	LF		4" x 3-1/2" x 1/4" Angle Iron	11.13	5.10
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.79	
			For >500 To 1,000, Deduct	-1.24	
			For >1,000, Deduct	-1.69	
			For 316 Stainless Steel, Add	13.82	
			For Aluminum, Add	0.78	
			For Galvanized Steel, Add	2.68	
			For 304 Stainless Steel, Add	12.31	
			For High Strength Steel (HSS), Add	2.23	
05 12 23 00-0370	LF		4" x 4" x 1/4" Angle Iron	11.71	5.32
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.77	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.34	
05 12 23 00-0371	LF		5" x 3" x 1/4" Angle Iron	11.71	5.32
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.77	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.34	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0372 LF 5" x 3-1/2" x 1/4" Angle Iron.....	12.36	5.61
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.86	
For 316 Stainless Steel, Add	15.62	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	13.91	
For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0373 5/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0374 LF 2-1/2" x 2" x 5/16" Angle Iron.....	8.19	3.79
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.25	
For 316 Stainless Steel, Add	10.05	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.95	
For 304 Stainless Steel, Add	8.95	
For High Strength Steel (HSS), Add	1.64	
05 12 23 00-0375 LF 2-1/2" x 2-1/2" x 5/16" Angle Iron.....	8.85	4.02
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.33	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.77	
05 12 23 00-0376 LF 3" x 2" x 5/16" Angle Iron.....	8.85	4.02
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.33	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.77	
05 12 23 00-0377 LF 3" x 2-1/2" x 5/16" Angle Iron.....	9.79	4.41
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.69	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.47	
For 316 Stainless Steel, Add	12.51	
For Aluminum, Add	0.70	
For Galvanized Steel, Add	2.42	
For 304 Stainless Steel, Add	11.14	
For High Strength Steel (HSS), Add	1.96	
05 12 23 00-0378 LF 3" x 3" x 5/16" Angle Iron.....	10.64	4.79
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.60	
For 316 Stainless Steel, Add	13.63	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.14	
For High Strength Steel (HSS), Add	2.13	
05 12 23 00-0379 LF 3-1/2" x 3" x 5/16" Angle Iron.....	11.31	5.03
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-1.69	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.26	
05 12 23 00-0380 LF 3-1/2" x 3-1/2" x 5/16" Angle Iron.....	12.06	5.28
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.78	
For 316 Stainless Steel, Add	16.06	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.11	
For 304 Stainless Steel, Add	14.31	
For High Strength Steel (HSS), Add	2.41	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0381	LF		4" x 3" x 5/16" Angle Iron	12.06	5.28
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.31	
			For >1,000, Deduct	-1.78	
			For 316 Stainless Steel, Add	16.06	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.11	
			For 304 Stainless Steel, Add	14.31	
			For High Strength Steel (HSS), Add	2.41	
05 12 23 00-0382	LF		4" x 3-1/2" x 5/16" Angle Iron	12.80	5.59
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.38	
			For >1,000, Deduct	-1.89	
			For 316 Stainless Steel, Add	17.15	
			For Aluminum, Add	0.96	
			For Galvanized Steel, Add	3.32	
			For 304 Stainless Steel, Add	15.28	
			For High Strength Steel (HSS), Add	2.56	
05 12 23 00-0383	LF		4" x 4" x 5/16" Angle Iron	13.50	5.83
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000, Deduct	-1.98	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0384	LF		5" x 3" x 5/16" Angle Iron	13.50	5.83
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000, Deduct	-1.98	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0385	LF		5" x 3-1/2" x 5/16" Angle Iron	14.15	6.07
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.52	
			For >1,000, Deduct	-2.07	
			For 316 Stainless Steel, Add	19.39	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.76	
			For 304 Stainless Steel, Add	17.27	
			For High Strength Steel (HSS), Add	2.83	
05 12 23 00-0386	LF		5" x 5" x 5/16" Angle Iron	15.63	6.33
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-1.63	
			For >1,000, Deduct	-2.23	
			For 316 Stainless Steel, Add	23.01	
			For Aluminum, Add	1.29	
			For Galvanized Steel, Add	4.46	
			For 304 Stainless Steel, Add	20.49	
			For High Strength Steel (HSS), Add	3.13	
05 12 23 00-0387	LF		6" x 3-1/2" x 5/16" Angle Iron	15.10	6.20
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.00	
			For >500 To 1,000, Deduct	-1.58	
			For >1,000, Deduct	-2.17	
			For 316 Stainless Steel, Add	21.86	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
			For 304 Stainless Steel, Add	19.47	
			For High Strength Steel (HSS), Add	3.02	
05 12 23 00-0388			3/8" Thick (05 12 23 00-0336)		
05 12 23 00-0389	LF		3" x 2" x 3/8" Angle Iron	9.72	4.21
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-1.05	
			For >1,000, Deduct	-1.43	
			For 316 Stainless Steel, Add	13.15	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	11.71	
			For High Strength Steel (HSS), Add	1.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0390	LF		3" x 2-1/2" x 3/8" Angle Iron.....	10.68	4.55
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.14	
			<i>For >1,000, Deduct</i>	-1.56	
			<i>For 316 Stainless Steel, Add</i>	14.75	
			<i>For Aluminum, Add</i>	0.83	
			<i>For Galvanized Steel, Add</i>	2.86	
			<i>For 304 Stainless Steel, Add</i>	13.14	
			<i>For High Strength Steel (HSS), Add</i>	2.14	
05 12 23 00-0391	LF		3" x 3" x 3/8" Angle Iron.....	11.56	4.90
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	16.06	
			<i>For Aluminum, Add</i>	0.90	
			<i>For Galvanized Steel, Add</i>	3.11	
			<i>For 304 Stainless Steel, Add</i>	14.31	
			<i>For High Strength Steel (HSS), Add</i>	2.31	
05 12 23 00-0392	LF		3-1/2" x 3" x 3/8" Angle Iron.....	12.24	5.04
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.28	
			<i>For >1,000, Deduct</i>	-1.76	
			<i>For 316 Stainless Steel, Add</i>	17.66	
			<i>For Aluminum, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For 304 Stainless Steel, Add</i>	15.73	
			<i>For High Strength Steel (HSS), Add</i>	2.45	
05 12 23 00-0393	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron.....	13.01	5.32
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.86	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
			<i>For High Strength Steel (HSS), Add</i>	2.60	
05 12 23 00-0394	LF		4" x 3" x 3/8" Angle Iron.....	13.01	5.32
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.86	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
			<i>For High Strength Steel (HSS), Add</i>	2.60	
05 12 23 00-0395	LF		4" x 3-1/2" x 3/8" Angle Iron.....	14.06	5.79
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.48	
			<i>For >1,000, Deduct</i>	-2.02	
			<i>For 316 Stainless Steel, Add</i>	20.29	
			<i>For Aluminum, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.93	
			<i>For 304 Stainless Steel, Add</i>	18.07	
			<i>For High Strength Steel (HSS), Add</i>	2.81	
05 12 23 00-0396	LF		4" x 4" x 3/8" Angle Iron.....	14.78	5.96
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For 316 Stainless Steel, Add</i>	21.86	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	4.23	
			<i>For 304 Stainless Steel, Add</i>	19.47	
			<i>For High Strength Steel (HSS), Add</i>	2.96	
05 12 23 00-0397	LF		5" x 3" x 3/8" Angle Iron.....	15.10	6.20
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.17	
			<i>For 316 Stainless Steel, Add</i>	21.86	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	4.23	
			<i>For 304 Stainless Steel, Add</i>	19.47	
			<i>For High Strength Steel (HSS), Add</i>	3.02	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0398	LF		5" x 3-1/2" x 3/8" Angle Iron	16.16	6.68
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.07	
			For >500 To 1,000, Deduct	-1.70	
			For >1,000, Deduct	-2.33	
			For 316 Stainless Steel, Add	23.20	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.50	
			For 304 Stainless Steel, Add	20.66	
			For High Strength Steel (HSS), Add	3.23	
05 12 23 00-0399	LF		5" x 5" x 3/8" Angle Iron	18.97	7.78
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.72	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0400	LF		6" x 3-1/2" x 3/8" Angle Iron	17.80	7.24
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.17	
			For >500 To 1,000, Deduct	-1.86	
			For >1,000, Deduct	-2.54	
			For 316 Stainless Steel, Add	26.08	
			For Aluminum, Add	1.47	
			For Galvanized Steel, Add	5.05	
			For 304 Stainless Steel, Add	23.23	
			For High Strength Steel (HSS), Add	3.56	
05 12 23 00-0401	LF		6" x 4" x 3/8" Angle Iron	18.97	7.78
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.72	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0402			1/2" Thick (05 12 23 00-0336)		
05 12 23 00-0403	LF		4" x 3" x 1/2" Angle Iron	15.64	5.92
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.16	
			For 316 Stainless Steel, Add	24.80	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.81	
			For 304 Stainless Steel, Add	22.09	
			For High Strength Steel (HSS), Add	3.13	
05 12 23 00-0404	LF		4" x 3-1/2" x 1/2" Angle Iron	16.77	6.34
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.68	
			For >1,000, Deduct	-2.32	
			For 316 Stainless Steel, Add	26.59	
			For Aluminum, Add	1.50	
			For Galvanized Steel, Add	5.15	
			For 304 Stainless Steel, Add	23.68	
			For High Strength Steel (HSS), Add	3.35	
05 12 23 00-0405	LF		4" x 4" x 1/2" Angle Iron	18.04	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.49	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.61	
05 12 23 00-0406	LF		5" x 3" x 1/2" Angle Iron	18.04	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.49	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0407	LF		5" x 3-1/2" x 1/2" Angle Iron.....	19.16	7.25
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For 316 Stainless Steel, Add</i>	30.40	
			<i>For Aluminum, Add</i>	1.71	
			<i>For Galvanized Steel, Add</i>	5.89	
			<i>For 304 Stainless Steel, Add</i>	27.08	
			<i>For High Strength Steel (HSS), Add</i>	3.83	
05 12 23 00-0408	LF		5" x 5" x 1/2" Angle Iron.....	22.84	8.64
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.29	
			<i>For >1,000, Deduct</i>	-3.15	
			<i>For 316 Stainless Steel, Add</i>	36.22	
			<i>For Aluminum, Add</i>	2.04	
			<i>For Galvanized Steel, Add</i>	7.02	
			<i>For 304 Stainless Steel, Add</i>	32.26	
			<i>For High Strength Steel (HSS), Add</i>	4.57	
05 12 23 00-0409	LF		6" x 4" x 1/2" Angle Iron.....	22.84	8.64
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.29	
			<i>For >1,000, Deduct</i>	-3.15	
			<i>For 316 Stainless Steel, Add</i>	36.22	
			<i>For Aluminum, Add</i>	2.04	
			<i>For Galvanized Steel, Add</i>	7.02	
			<i>For 304 Stainless Steel, Add</i>	32.26	
			<i>For High Strength Steel (HSS), Add</i>	4.57	
05 12 23 00-0410 Bar Channel <small>(05 12 23 00-0146)</small>					
05 12 23 00-0411	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	3.38	
			<i>For 316 Stainless Steel, Add</i>	2.43	
			<i>For Aluminum, Add</i>	0.14	
			<i>For Galvanized Steel, Add</i>	0.47	
			<i>For 304 Stainless Steel, Add</i>	2.17	
05 12 23 00-0412	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	3.76	
			<i>For 316 Stainless Steel, Add</i>	2.91	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.56	
			<i>For 304 Stainless Steel, Add</i>	2.59	
05 12 23 00-0413	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	4.09	
			<i>For 316 Stainless Steel, Add</i>	3.23	
			<i>For Aluminum, Add</i>	0.18	
			<i>For Galvanized Steel, Add</i>	0.63	
			<i>For 304 Stainless Steel, Add</i>	2.88	
05 12 23 00-0414	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	4.73	
			<i>For 316 Stainless Steel, Add</i>	3.36	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
05 12 23 00-0415	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	4.97	
			<i>For 316 Stainless Steel, Add</i>	4.13	
			<i>For Aluminum, Add</i>	0.23	
			<i>For Galvanized Steel, Add</i>	0.80	
			<i>For 304 Stainless Steel, Add</i>	3.68	
05 12 23 00-0416	LF		2" x 1" x 1/8" Thick Bar Channel.....	6.71	
			<i>For 316 Stainless Steel, Add</i>	4.61	
			<i>For Aluminum, Add</i>	0.26	
			<i>For Galvanized Steel, Add</i>	0.89	
			<i>For 304 Stainless Steel, Add</i>	4.10	
05 12 23 00-0417 Channels <small>(05 12 23 00-0146)</small>					
05 12 23 00-0418	LF		C2 x 1.78 - 2" Wide Channel.....	5.55	3.25
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.71	
			<i>For >1,000, Deduct</i>	-0.96	
			<i>For 316 Stainless Steel, Add</i>	3.90	
			<i>For Aluminum, Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.76	
			<i>For 304 Stainless Steel, Add</i>	3.48	
05 12 23 00-0419	LF		C3 x 4.1 - 3" Wide Channel.....	7.95	4.67
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For 316 Stainless Steel, Add</i>	5.50	
			<i>For Aluminum, Add</i>	0.31	
			<i>For Galvanized Steel, Add</i>	1.07	
			<i>For 304 Stainless Steel, Add</i>	4.90	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0420	LF		C4 x 5.4 - 4" Wide Channel.....	9.77	5.61
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.24	
			For >1,000, Deduct	-1.67	
			For 316 Stainless Steel, Add	7.33	
			For Aluminum, Add	0.41	
			For Galvanized Steel, Add	1.42	
			For 304 Stainless Steel, Add	6.53	
05 12 23 00-0421	LF		C5 x 6.7 - 5" Wide Channel.....	11.62	6.53
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000, Deduct	-1.96	
			For 316 Stainless Steel, Add	9.28	
			For Aluminum, Add	0.52	
			For Galvanized Steel, Add	1.80	
			For 304 Stainless Steel, Add	8.27	
05 12 23 00-0422	LF		C6 x 8.2 - 6" Wide Channel.....	12.94	7.04
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-1.59	
			For >1,000, Deduct	-2.14	
			For 316 Stainless Steel, Add	11.36	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.20	
			For 304 Stainless Steel, Add	10.12	
05 12 23 00-0423	LF		C7 x 9.8 - 7" Wide Channel.....	17.26	9.34
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.37	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000, Deduct	-2.85	
			For 316 Stainless Steel, Add	15.36	
			For Aluminum, Add	0.86	
			For Galvanized Steel, Add	2.98	
			For 304 Stainless Steel, Add	13.68	
05 12 23 00-0424	LF		C8 x 11.5 - 8" Wide Channel.....	19.33	10.28
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-3.16	
			For 316 Stainless Steel, Add	17.98	
			For Aluminum, Add	1.01	
			For Galvanized Steel, Add	3.48	
			For 304 Stainless Steel, Add	16.02	
05 12 23 00-0425			Structural Bar Tees (05 12 23 00-0146)		
05 12 23 00-0426	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	4.14	2.38
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000, Deduct	-0.71	
			For 316 Stainless Steel, Add	3.10	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.60	
			For 304 Stainless Steel, Add	2.76	
05 12 23 00-0427	LF		1" x 1" x 1/8" Structural Bar Tee	4.87	2.80
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.62	
			For >1,000, Deduct	-0.83	
			For 316 Stainless Steel, Add	3.65	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.71	
			For 304 Stainless Steel, Add	3.25	
05 12 23 00-0428	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.72	3.24
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.19	
			For 316 Stainless Steel, Add	14.08	
			For Aluminum, Add	0.79	
			For Galvanized Steel, Add	2.73	
			For 304 Stainless Steel, Add	12.54	
05 12 23 00-0429	LF		2" x 2" x 1/4" Structural Bar Tee	11.38	4.24
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.71	
			For >500 To 1,000, Deduct	-1.13	
			For >1,000, Deduct	-1.56	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0430 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee.....	17.02	5.10
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.13	
For 316 Stainless Steel, Add	32.64	
For Aluminum, Add	1.84	
For Galvanized Steel, Add	6.32	
For 304 Stainless Steel, Add	29.07	
05 12 23 00-0431 LF 3" x 3" x 3/8" Structural Bar Tee.....	21.15	6.54
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.68	
For 316 Stainless Steel, Add	39.78	
For Aluminum, Add	2.24	
For Galvanized Steel, Add	7.71	
For 304 Stainless Steel, Add	35.43	
05 12 23 00-0432 Structural Zees (05 12 23 00-0146)		
05 12 23 00-0433 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee.....	8.76	3.24
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.20	
For 316 Stainless Steel, Add	14.21	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	12.65	
05 12 23 00-0434 LF 2-11/16" x 3" x 2-11/16" Structural Zee.....	12.91	3.87
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.61	
For 316 Stainless Steel, Add	24.86	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.82	
For 304 Stainless Steel, Add	22.14	
05 12 23 00-0435 LF 3-1/16" x 4" x 3-1/16" Structural Zee.....	18.84	4.36
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.52	
For >1,000, Deduct	-2.14	
For 316 Stainless Steel, Add	41.70	
For Aluminum, Add	2.35	
For Galvanized Steel, Add	8.08	
For 304 Stainless Steel, Add	37.14	
05 12 23 00-0436 LF 3-1/4" x 5" x 3-1/4" Structural Zee.....	25.08	4.98
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.71	
For 316 Stainless Steel, Add	59.01	
For Aluminum, Add	3.32	
For Galvanized Steel, Add	11.43	
For 304 Stainless Steel, Add	52.55	
05 12 23 00-0437 LF 3-1/2" x 6" x 3-1/2" Structural Zee.....	32.12	5.42
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.31	
For 316 Stainless Steel, Add	79.65	
For Aluminum, Add	4.48	
For Galvanized Steel, Add	15.43	
For 304 Stainless Steel, Add	70.94	
05 12 23 00-0438 Junior I-Beams (05 12 23 00-0146)		
05 12 23 00-0439 LF 3" Junior I-Beam, 5.7 LB/LF.....	9.56	4.67
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.10	
For >1,000, Deduct	-1.50	
For 316 Stainless Steel, Add	10.66	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.06	
For 304 Stainless Steel, Add	9.49	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0440 LF 4" Junior I-Beam, 7.7 LB/LF	11.48	5.10
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-1.71	
For 316 Stainless Steel, Add	14.91	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.89	
For 304 Stainless Steel, Add	13.28	
05 12 23 00-0441 LF 5" Junior I-Beam, 10 LB/LF	14.09	5.61
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-1.99	
For 316 Stainless Steel, Add	21.18	
For Aluminum, Add	1.19	
For Galvanized Steel, Add	4.10	
For 304 Stainless Steel, Add	18.87	
05 12 23 00-0442 LF 6" Junior I-Beam, 12.5 LB/LF	15.59	6.10
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.19	
For 316 Stainless Steel, Add	23.84	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.62	
For 304 Stainless Steel, Add	21.23	
05 12 23 00-0443 LF 7" Junior I-Beam, 15.3 LB/LF	20.07	6.54
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.88	
For >1,000, Deduct	-2.60	
For 316 Stainless Steel, Add	36.32	
For Aluminum, Add	2.04	
For Galvanized Steel, Add	7.04	
For 304 Stainless Steel, Add	32.35	
05 12 23 00-0444 LF 8" Junior I-Beam, 18.4 LB/LF	21.87	6.98
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.80	
For 316 Stainless Steel, Add	40.22	
For Aluminum, Add	2.26	
For Galvanized Steel, Add	7.79	
For 304 Stainless Steel, Add	35.82	
05 12 23 00-0445 Round Stock (05 12 23 00-0146)		
05 12 23 00-0446 LF 1/4" Carbon Steel Rounds, ASTM A108	1.51	
For 316 Stainless Steel, Add	2.14	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.91	
05 12 23 00-0447 LF 3/8" Carbon Steel Rounds, ASTM A108	2.27	
For 316 Stainless Steel, Add	4.22	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.76	
05 12 23 00-0448 LF 1/2" Carbon Steel Rounds, ASTM A108	3.05	
For 316 Stainless Steel, Add	6.43	
For Aluminum, Add	0.36	
For Galvanized Steel, Add	1.25	
For 304 Stainless Steel, Add	5.73	
05 12 23 00-0449 LF 5/8" Carbon Steel Rounds, ASTM A108	4.51	
For 316 Stainless Steel, Add	10.72	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.08	
For 304 Stainless Steel, Add	9.55	
05 12 23 00-0450 LF 3/4" Carbon Steel Rounds, ASTM A108	5.37	
For 316 Stainless Steel, Add	12.74	
For Aluminum, Add	0.72	
For Galvanized Steel, Add	2.47	
For 304 Stainless Steel, Add	11.34	
05 12 23 00-0451 LF 7/8" Carbon Steel Rounds, ASTM A108	6.24	
For 316 Stainless Steel, Add	14.85	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.88	
For 304 Stainless Steel, Add	13.22	
05 12 23 00-0452 LF 1" Carbon Steel Rounds, ASTM A108	8.97	
For 316 Stainless Steel, Add	22.66	
For Aluminum, Add	1.27	
For Galvanized Steel, Add	4.39	
For 304 Stainless Steel, Add	20.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0453 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	10.91	
For 316 Stainless Steel, Add	27.52	
For Aluminum, Add	1.55	
For Galvanized Steel, Add	5.33	
For 304 Stainless Steel, Add	24.51	
05 12 23 00-0454 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	13.09	
For 316 Stainless Steel, Add	32.38	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.27	
For 304 Stainless Steel, Add	28.84	
05 12 23 00-0455 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	15.81	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0456 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	17.71	
For 316 Stainless Steel, Add	43.36	
For Aluminum, Add	2.44	
For Galvanized Steel, Add	8.40	
For 304 Stainless Steel, Add	38.62	
05 12 23 00-0457 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	20.54	
For 316 Stainless Steel, Add	49.12	
For Aluminum, Add	2.76	
For Galvanized Steel, Add	9.52	
For 304 Stainless Steel, Add	43.75	
05 12 23 00-0458 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	24.80	
For 316 Stainless Steel, Add	57.18	
For Aluminum, Add	3.22	
For Galvanized Steel, Add	11.08	
For 304 Stainless Steel, Add	50.93	
05 12 23 00-0459 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	30.07	
For 316 Stainless Steel, Add	66.98	
For Aluminum, Add	3.77	
For Galvanized Steel, Add	12.98	
For 304 Stainless Steel, Add	59.65	
05 12 23 00-0460 LF 2" Carbon Steel Rounds, ASTM A108.....	34.59	
For 316 Stainless Steel, Add	74.50	
For Aluminum, Add	4.19	
For Galvanized Steel, Add	14.43	
For 304 Stainless Steel, Add	66.35	
05 12 23 00-0461 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	40.64	
For 316 Stainless Steel, Add	85.09	
For Aluminum, Add	4.79	
For Galvanized Steel, Add	16.49	
For 304 Stainless Steel, Add	75.78	
05 12 23 00-0462 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	46.05	
For 316 Stainless Steel, Add	95.68	
For Aluminum, Add	5.38	
For Galvanized Steel, Add	18.54	
For 304 Stainless Steel, Add	85.22	
05 12 23 00-0463 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	52.77	
For 316 Stainless Steel, Add	109.44	
For Aluminum, Add	6.16	
For Galvanized Steel, Add	21.20	
For 304 Stainless Steel, Add	97.47	
05 12 23 00-0464 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	58.65	
For 316 Stainless Steel, Add	117.92	
For Aluminum, Add	6.63	
For Galvanized Steel, Add	22.85	
For 304 Stainless Steel, Add	105.02	
05 12 23 00-0465 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	71.03	
For 316 Stainless Steel, Add	149.79	
For Aluminum, Add	8.43	
For Galvanized Steel, Add	29.02	
For 304 Stainless Steel, Add	133.41	
05 12 23 00-0466 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	80.84	
For 316 Stainless Steel, Add	170.82	
For Aluminum, Add	9.61	
For Galvanized Steel, Add	33.10	
For 304 Stainless Steel, Add	152.13	
05 12 23 00-0467 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	90.18	
For 316 Stainless Steel, Add	190.37	
For Aluminum, Add	10.71	
For Galvanized Steel, Add	36.88	
For 304 Stainless Steel, Add	169.55	
05 12 23 00-0468 LF 3" Carbon Steel Rounds, ASTM A108.....	95.18	
For 316 Stainless Steel, Add	196.06	
For Aluminum, Add	11.03	
For Galvanized Steel, Add	37.99	
For 304 Stainless Steel, Add	174.62	
05 12 23 00-0469 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	99.78	
For 316 Stainless Steel, Add	200.42	
For Aluminum, Add	11.27	
For Galvanized Steel, Add	38.83	
For 304 Stainless Steel, Add	178.50	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470	LF		3-1/4" Carbon Steel Rounds, ASTM A108.....	105.57	
			For 316 Stainless Steel, Add	208.61	
			For Aluminum, Add	11.73	
			For Galvanized Steel, Add	40.42	
			For 304 Stainless Steel, Add	185.79	
05 12 23 00-0471	LF		3-1/2" Carbon Steel Rounds, ASTM A108.....	127.13	
			For 316 Stainless Steel, Add	264.67	
			For Aluminum, Add	14.89	
			For Galvanized Steel, Add	51.28	
			For 304 Stainless Steel, Add	235.72	
05 12 23 00-0472	LF		3-5/8" Carbon Steel Rounds, ASTM A108.....	140.99	
			For 316 Stainless Steel, Add	296.10	
			For Aluminum, Add	16.66	
			For Galvanized Steel, Add	57.37	
			For 304 Stainless Steel, Add	263.71	
05 12 23 00-0473	LF		3-3/4" Carbon Steel Rounds, ASTM A108.....	151.47	
			For 316 Stainless Steel, Add	316.74	
			For Aluminum, Add	17.82	
			For Galvanized Steel, Add	61.37	
			For 304 Stainless Steel, Add	282.09	
05 12 23 00-0474	LF		4" Carbon Steel Rounds, ASTM A108.....	169.22	
			For 316 Stainless Steel, Add	360.61	
			For Aluminum, Add	20.28	
			For Galvanized Steel, Add	69.87	
			For 304 Stainless Steel, Add	321.17	
05 12 23 00-0475			Square Stock (05 12 23 00-0146)		
05 12 23 00-0476	LF		3/8" Square Bar Stock.....	1.28	
			For 316 Stainless Steel, Add	1.06	
			For Aluminum, Add	0.06	
			For Galvanized Steel, Add	0.20	
			For 304 Stainless Steel, Add	0.94	
05 12 23 00-0477	LF		1/2" Square Bar Stock.....	1.63	
			For 316 Stainless Steel, Add	1.89	
			For Aluminum, Add	0.11	
			For Galvanized Steel, Add	0.37	
			For 304 Stainless Steel, Add	1.68	
05 12 23 00-0478	LF		5/8" Square Bar Stock.....	2.08	
			For 316 Stainless Steel, Add	2.94	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.57	
			For 304 Stainless Steel, Add	2.62	
05 12 23 00-0479	LF		3/4" Square Bar Stock.....	2.72	
			For 316 Stainless Steel, Add	4.26	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.82	
			For 304 Stainless Steel, Add	3.79	
05 12 23 00-0480	LF		7/8" Square Bar Stock.....	3.45	
			For 316 Stainless Steel, Add	5.92	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.15	
			For 304 Stainless Steel, Add	5.27	
05 12 23 00-0481	LF		1" Square Bar Stock.....	4.26	
			For 316 Stainless Steel, Add	7.58	
			For Aluminum, Add	0.43	
			For Galvanized Steel, Add	1.47	
			For 304 Stainless Steel, Add	6.75	
05 12 23 00-0482	LF		1-1/4" Square Bar Stock.....	6.67	
			For 316 Stainless Steel, Add	11.84	
			For Aluminum, Add	0.67	
			For Galvanized Steel, Add	2.29	
			For 304 Stainless Steel, Add	10.55	
05 12 23 00-0483	LF		1-1/2" Square Bar Stock.....	9.49	
			For 316 Stainless Steel, Add	17.06	
			For Aluminum, Add	0.96	
			For Galvanized Steel, Add	3.30	
			For 304 Stainless Steel, Add	15.19	
05 12 23 00-0484	LF		1-3/4" Square Bar Stock.....	14.34	
			For 316 Stainless Steel, Add	23.71	
			For Aluminum, Add	1.33	
			For Galvanized Steel, Add	4.59	
			For 304 Stainless Steel, Add	21.12	
05 12 23 00-0485	LF		2" Square Bar Stock.....	21.11	
			For 316 Stainless Steel, Add	30.34	
			For Aluminum, Add	1.71	
			For Galvanized Steel, Add	5.88	
			For 304 Stainless Steel, Add	27.02	
05 12 23 00-0486			Steel Tubing (05 12 23 00-0146)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0487			Square Steel Tubing (05 12 23 00-0486)		
05 12 23 00-0488			0.06" Wall Thickness (05 12 23 00-0487)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0489 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	1.46	0.44
For >100 To 250, Deduct	-0.04	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.13	
For >1,000, Deduct	-0.18	
For 316 Stainless Steel, Add	2.78	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.54	
For 304 Stainless Steel, Add	2.48	
05 12 23 00-0490 LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	2.27	0.70
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.29	
For 316 Stainless Steel, Add	4.26	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.79	
05 12 23 00-0491 LF 1" x 1" x 0.06" Square Steel Tubing.....	3.05	1.28
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.39	
For 316 Stainless Steel, Add	5.66	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.04	
05 12 23 00-0492 LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.00	1.21
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.50	
For 316 Stainless Steel, Add	7.65	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.81	
05 12 23 00-0493 LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.76	1.47
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.60	
For 316 Stainless Steel, Add	8.99	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	8.01	
05 12 23 00-0494 0.083" Wall Thickness <small>(05 12 23 00-0487)</small>		
05 12 23 00-0495 LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	2.64	0.83
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.34	
For 316 Stainless Steel, Add	4.93	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.95	
For 304 Stainless Steel, Add	4.39	
05 12 23 00-0496 LF 1" x 1" x 0.083" Square Steel Tubing.....	3.81	1.13
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	7.36	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.56	
05 12 23 00-0497 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.63	1.44
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.59	
For 316 Stainless Steel, Add	8.70	
For Aluminum, Add	0.49	
For Galvanized Steel, Add	1.69	
For 304 Stainless Steel, Add	7.75	
05 12 23 00-0498 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.61	1.74
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.71	
For 316 Stainless Steel, Add	10.50	
For Aluminum, Add	0.59	
For Galvanized Steel, Add	2.03	
For 304 Stainless Steel, Add	9.35	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0499	LF		2" x 2" x 0.083" Square Steel Tubing.....	7.23	2.33
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000, Deduct</i>	-0.93	
			<i>For 316 Stainless Steel, Add</i>	13.22	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.56	
			<i>For 304 Stainless Steel, Add</i>	11.77	
05 12 23 00-0500			0.12" Wall Thickness (05 12 23 00-0487)		
05 12 23 00-0501	LF		1" x 1" x 0.12" Square Steel Tubing.....	4.24	1.34
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.54	
			<i>For 316 Stainless Steel, Add</i>	7.84	
			<i>For Aluminum, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For 304 Stainless Steel, Add</i>	6.98	
05 12 23 00-0502	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.47	1.72
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.50	
			<i>For >1,000, Deduct</i>	-0.70	
			<i>For 316 Stainless Steel, Add</i>	10.14	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.97	
			<i>For 304 Stainless Steel, Add</i>	9.03	
05 12 23 00-0503	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.70	2.10
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.85	
			<i>For 316 Stainless Steel, Add</i>	12.45	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
05 12 23 00-0504	LF		2" x 2" x 0.12" Square Steel Tubing.....	9.09	2.87
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	16.83	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.99	
05 12 23 00-0505			1/8" Wall Thickness (05 12 23 00-0487)		
05 12 23 00-0506	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.36	2.98
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.12	
			<i>For 316 Stainless Steel, Add</i>	14.02	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.48	
05 12 23 00-0507	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	10.95	3.78
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.45	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
05 12 23 00-0508	LF		3" x 3" x 1/8" Square Steel Tubing.....	12.89	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	21.76	
			<i>For Aluminum, Add</i>	1.22	
			<i>For Galvanized Steel, Add</i>	4.22	
			<i>For 304 Stainless Steel, Add</i>	19.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0509 LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	14.98	5.37
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	25.02	
For Aluminum, Add	1.41	
For Galvanized Steel, Add	4.85	
For 304 Stainless Steel, Add	22.29	
05 12 23 00-0510 LF 4" x 4" x 1/8" Square Steel Tubing.....	16.62	6.16
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.65	
For >1,000, Deduct	-2.27	
For 316 Stainless Steel, Add	26.88	
For Aluminum, Add	1.51	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	23.94	
05 12 23 00-0511 3/16" Wall Thickness (05 12 23 00-0487)		
05 12 23 00-0512 LF 2" x 2" x 3/16" Square Steel Tubing.....	9.47	3.36
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.92	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	15.94	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.09	
For 304 Stainless Steel, Add	14.19	
05 12 23 00-0513 LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.26	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
For 316 Stainless Steel, Add	20.64	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.00	
For 304 Stainless Steel, Add	18.38	
05 12 23 00-0514 LF 3" x 3" x 3/16" Square Steel Tubing.....	15.07	5.35
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	25.38	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	22.60	
05 12 23 00-0515 LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	17.87	6.34
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.40	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0516 LF 4" x 4" x 3/16" Square Steel Tubing.....	20.66	7.34
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.77	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0517 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	23.46	8.34
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0518 LF 5" x 5" x 3/16" Square Steel Tubing.....	26.23	9.32
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.59	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.52	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF		6" x 6" x 3/16" Square Steel Tubing.....	31.86	11.32
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.10	
			For >1,000, Deduct	-4.28	
			For 316 Stainless Steel, Add	53.66	
			For Aluminum, Add	3.02	
			For Galvanized Steel, Add	10.40	
			For 304 Stainless Steel, Add	47.79	
05 12 23 00-0520			1/4" Wall Thickness (05 12 23 00-0487)		
05 12 23 00-0521	LF		2" x 2" x 1/4" Square Steel Tubing.....	10.00	3.37
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.31	
			For 316 Stainless Steel, Add	17.63	
			For Aluminum, Add	0.99	
			For Galvanized Steel, Add	3.42	
			For 304 Stainless Steel, Add	15.70	
05 12 23 00-0522	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.15	4.43
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.25	
			For >1,000, Deduct	-1.73	
			For 316 Stainless Steel, Add	23.17	
			For Aluminum, Add	1.30	
			For Galvanized Steel, Add	4.49	
			For 304 Stainless Steel, Add	20.63	
05 12 23 00-0523	LF		3" x 3" x 1/4" Square Steel Tubing.....	16.29	5.49
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000, Deduct	-2.14	
			For 316 Stainless Steel, Add	28.70	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.56	
			For 304 Stainless Steel, Add	25.56	
05 12 23 00-0524	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	19.43	6.54
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.55	
			For 316 Stainless Steel, Add	34.24	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.63	
			For 304 Stainless Steel, Add	30.50	
05 12 23 00-0525	LF		4" x 4" x 1/4" Square Steel Tubing.....	22.57	7.61
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.32	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.96	
			For 316 Stainless Steel, Add	39.78	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.43	
05 12 23 00-0526	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	25.73	8.67
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.44	
			For >1,000, Deduct	-3.37	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23 00-0527	LF		5" x 5" x 1/4" Square Steel Tubing.....	28.89	9.74
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-2.74	
			For >1,000, Deduct	-3.79	
			For 316 Stainless Steel, Add	50.91	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
			For 304 Stainless Steel, Add	45.34	
05 12 23 00-0528	LF		6" x 6" x 1/4" Square Steel Tubing.....	35.17	11.85
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.06	
			For >500 To 1,000, Deduct	-3.34	
			For >1,000, Deduct	-4.61	
			For 316 Stainless Steel, Add	61.98	
			For Aluminum, Add	3.49	
			For Galvanized Steel, Add	12.01	
			For 304 Stainless Steel, Add	55.20	



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529 Rectangular Steel Tubing <small>(05 12 23 00-0486)</small>		
05 12 23 00-0530 3/16" Wall Thickness <small>(05 12 23 00-0529)</small>		
05 12 23 00-0531 LF 3" x 2" x 3/16" Square Steel Tubing.....	12.26	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
For 316 Stainless Steel, Add	20.64	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.00	
For 304 Stainless Steel, Add	18.38	
05 12 23 00-0532 LF 4" x 2" x 3/16" Square Steel Tubing.....	15.07	5.35
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	25.38	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	22.60	
05 12 23 00-0533 LF 4" x 3" x 3/16" Square Steel Tubing.....	17.87	6.34
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.40	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0534 LF 5" x 2" x 3/16" Square Steel Tubing.....	17.87	6.34
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.40	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0535 LF 5" x 3" x 3/16" Square Steel Tubing.....	20.66	7.34
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.77	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0536 LF 5" x 4" x 3/16" Square Steel Tubing.....	23.46	8.34
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0537 LF 6" x 2" x 3/16" Square Steel Tubing.....	20.66	7.34
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.77	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0538 LF 6" x 3" x 3/16" Square Steel Tubing.....	23.46	8.34
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0539 LF 6" x 4" x 3/16" Square Steel Tubing.....	26.23	9.32
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.59	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.52	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0540			1/4" Wall Thickness (05 12 23 00-0529)		
05 12 23 00-0541	LF		3" x 2" x 1/4" Square Steel Tubing.....	13.15	4.43
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0542	LF		4" x 2" x 1/4" Square Steel Tubing.....	16.29	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For 316 Stainless Steel, Add</i>	28.70	
			<i>For Aluminum, Add</i>	1.61	
			<i>For Galvanized Steel, Add</i>	5.56	
			<i>For 304 Stainless Steel, Add</i>	25.56	
05 12 23 00-0543	LF		4" x 3" x 1/4" Square Steel Tubing.....	19.43	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.84	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0544	LF		5" x 2" x 1/4" Square Steel Tubing.....	19.43	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.84	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0545	LF		5" x 3" x 1/4" Square Steel Tubing.....	22.57	7.61
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.96	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0546	LF		5" x 4" x 1/4" Square Steel Tubing.....	25.73	8.67
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.37	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0547	LF		6" x 2" x 1/4" Square Steel Tubing.....	22.57	7.61
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.96	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0548	LF		6" x 3" x 1/4" Square Steel Tubing.....	25.73	8.67
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.37	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0549	LF		6" x 4" x 1/4" Square Steel Tubing.....	28.89	9.74
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.79	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	

05 12 23 00-0550 Round Steel Tubing (05 12 23 00-0486)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0551 0.065" Wall Thickness <small>(05 12 23 00-0550)</small>		
05 12 23 00-0552 LF 1" Diameter x 0.065" Round Steel Tubing	2.63	0.81
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.33	
For 316 Stainless Steel, Add	4.96	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.96	
For 304 Stainless Steel, Add	4.42	
05 12 23 00-0553 LF 1-1/4" Diameter x 0.065" Round Steel Tubing	3.33	1.03
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.30	
For >1,000, Deduct	-0.42	
For 316 Stainless Steel, Add	6.27	
For Aluminum, Add	0.35	
For Galvanized Steel, Add	1.22	
For 304 Stainless Steel, Add	5.59	
05 12 23 00-0554 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	4.03	1.24
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.51	
For 316 Stainless Steel, Add	7.62	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.78	
05 12 23 00-0555 LF 2" Diameter x 0.065" Round Steel Tubing	5.43	1.67
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.49	
For >1,000, Deduct	-0.69	
For 316 Stainless Steel, Add	10.24	
For Aluminum, Add	0.58	
For Galvanized Steel, Add	1.98	
For 304 Stainless Steel, Add	9.12	
05 12 23 00-0556 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	6.84	2.10
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.62	
For >1,000, Deduct	-0.86	
For 316 Stainless Steel, Add	12.90	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	11.49	
05 12 23 00-0557 LF 3" Diameter x 0.065" Round Steel Tubing	8.24	2.54
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.04	
For 316 Stainless Steel, Add	15.55	
For Aluminum, Add	0.87	
For Galvanized Steel, Add	3.01	
For 304 Stainless Steel, Add	13.85	
05 12 23 00-0558 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	9.66	2.97
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.22	
For 316 Stainless Steel, Add	18.21	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	16.22	
05 12 23 00-0559 LF 4" Diameter x 0.065" Round Steel Tubing	11.06	3.40
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-1.01	
For >1,000, Deduct	-1.40	
For 316 Stainless Steel, Add	20.86	
For Aluminum, Add	1.17	
For Galvanized Steel, Add	4.04	
For 304 Stainless Steel, Add	18.58	
05 12 23 00-0560 0.083" Wall Thickness <small>(05 12 23 00-0560)</small>		
05 12 23 00-0561 LF 1" Diameter x 0.083" Round Steel Tubing	2.86	0.89
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.36	
For 316 Stainless Steel, Add	5.38	
For Aluminum, Add	0.30	
For Galvanized Steel, Add	1.04	
For 304 Stainless Steel, Add	4.79	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	3.63	1.13
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000, Deduct</i>	-0.46	
			<i>For 316 Stainless Steel, Add</i>	6.82	
			<i>For Aluminum, Add</i>	0.38	
			<i>For Galvanized Steel, Add</i>	1.32	
			<i>For 304 Stainless Steel, Add</i>	6.07	
05 12 23 00-0563	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	4.41	1.37
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500 To 1,000, Deduct</i>	-0.40	
			<i>For >1,000, Deduct</i>	-0.56	
			<i>For 316 Stainless Steel, Add</i>	8.29	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	7.38	
05 12 23 00-0564	LF		2" Diameter x 0.083" Round Steel Tubing	5.97	1.85
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	11.20	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For 304 Stainless Steel, Add</i>	9.98	
05 12 23 00-0565	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	7.53	2.34
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	14.14	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
05 12 23 00-0566	LF		3" Diameter x 0.083" Round Steel Tubing	9.09	2.82
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.15	
			<i>For 316 Stainless Steel, Add</i>	17.06	
			<i>For Aluminum, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For 304 Stainless Steel, Add</i>	15.19	
05 12 23 00-0567	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	10.64	3.30
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.97	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	19.97	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.87	
			<i>For 304 Stainless Steel, Add</i>	17.78	
05 12 23 00-0568	LF		4" Diameter x 0.083" Round Steel Tubing	12.19	3.79
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.11	
			<i>For >1,000, Deduct</i>	-1.54	
			<i>For 316 Stainless Steel, Add</i>	22.88	
			<i>For Aluminum, Add</i>	1.29	
			<i>For Galvanized Steel, Add</i>	4.43	
			<i>For 304 Stainless Steel, Add</i>	20.38	
05 12 23 00-0569			0.125" Wall Thickness (05 12 23 00-0550)		
05 12 23 00-0570	LF		2" Diameter x 0.125" Round Steel Tubing	6.56	2.34
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.88	
			<i>For 316 Stainless Steel, Add</i>	11.01	
			<i>For Aluminum, Add</i>	0.62	
			<i>For Galvanized Steel, Add</i>	2.13	
			<i>For 304 Stainless Steel, Add</i>	9.80	
05 12 23 00-0571	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	8.30	2.96
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000, Deduct</i>	-1.12	
			<i>For 316 Stainless Steel, Add</i>	13.92	
			<i>For Aluminum, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For 304 Stainless Steel, Add</i>	12.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0572	LF		3" Diameter x 0.125" Round Steel Tubing	10.05	3.58
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	16.86	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.27	
			<i>For 304 Stainless Steel, Add</i>	15.02	
05 12 23 00-0573	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	11.81	4.21
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.59	
			<i>For 316 Stainless Steel, Add</i>	19.81	
			<i>For Aluminum, Add</i>	1.11	
			<i>For Galvanized Steel, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	17.64	
05 12 23 00-0574	LF		4" Diameter x 0.125" Round Steel Tubing	13.54	4.83
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.82	
			<i>For 316 Stainless Steel, Add</i>	22.72	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.24	
05 12 23 00-0575			Flat Steel Bar <small>(05 12 23 00-0146)</small>		
05 12 23 00-0576			1/8" Thick <small>(05 12 23 00-0575)</small>		
05 12 23 00-0577	LF		1/8" Thick x 1" Wide Flat Steel Bar	2.42	1.17
			<i>For 316 Stainless Steel, Add</i>	2.18	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.42	
			<i>For 304 Stainless Steel, Add</i>	1.94	
05 12 23 00-0578	LF		1/8" Thick x 2" Wide Flat Steel Bar	3.76	1.74
			<i>For 316 Stainless Steel, Add</i>	3.65	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.25	
05 12 23 00-0579	LF		1/8" Thick x 4" Wide Flat Steel Bar	5.76	2.46
			<i>For 316 Stainless Steel, Add</i>	6.66	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.29	
			<i>For 304 Stainless Steel, Add</i>	5.93	
05 12 23 00-0580	LF		1/8" Thick x 6" Wide Flat Steel Bar	7.81	3.34
			<i>For 316 Stainless Steel, Add</i>	8.96	
			<i>For Aluminum, Add</i>	0.50	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For 304 Stainless Steel, Add</i>	7.98	
05 12 23 00-0581			3/16" Thick <small>(05 12 23 00-0575)</small>		
05 12 23 00-0582	LF		3/16" Thick x 1" Wide Flat Steel Bar	3.20	1.45
			<i>For 316 Stainless Steel, Add</i>	3.33	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.64	
			<i>For 304 Stainless Steel, Add</i>	2.96	
05 12 23 00-0583	LF		3/16" Thick x 2" Wide Flat Steel Bar	5.05	2.16
			<i>For 316 Stainless Steel, Add</i>	5.76	
			<i>For Aluminum, Add</i>	0.32	
			<i>For Galvanized Steel, Add</i>	1.12	
			<i>For 304 Stainless Steel, Add</i>	5.13	
05 12 23 00-0584	LF		3/16" Thick x 4" Wide Flat Steel Bar	6.77	2.50
			<i>For 316 Stainless Steel, Add</i>	9.73	
			<i>For Aluminum, Add</i>	0.55	
			<i>For Galvanized Steel, Add</i>	1.88	
			<i>For 304 Stainless Steel, Add</i>	8.66	
05 12 23 00-0585	LF		3/16" Thick x 6" Wide Flat Steel Bar	9.39	3.45
			<i>For 316 Stainless Steel, Add</i>	13.47	
			<i>For Aluminum, Add</i>	0.76	
			<i>For Galvanized Steel, Add</i>	2.61	
			<i>For 304 Stainless Steel, Add</i>	12.00	
05 12 23 00-0586			1/4" Thick <small>(05 12 23 00-0575)</small>		
05 12 23 00-0587	LF		1/4" Thick x 1" Wide Flat Steel Bar	3.33	1.53
			<i>For 316 Stainless Steel, Add</i>	3.30	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.64	
			<i>For 304 Stainless Steel, Add</i>	2.94	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0588	LF		1/4" Thick x 2" Wide Flat Steel Bar	5.53	2.30
			<i>For 316 Stainless Steel, Add</i>	6.69	
			<i>For Aluminum, Add</i>	0.38	
			<i>For Galvanized Steel, Add</i>	1.30	
			<i>For 304 Stainless Steel, Add</i>	5.96	
05 12 23 00-0589	LF		1/4" Thick x 4" Wide Flat Steel Bar	7.97	2.62
			<i>For 316 Stainless Steel, Add</i>	12.93	
			<i>For Aluminum, Add</i>	0.73	
			<i>For Galvanized Steel, Add</i>	2.50	
			<i>For 304 Stainless Steel, Add</i>	11.51	
05 12 23 00-0590	LF		1/4" Thick x 6" Wide Flat Steel Bar	11.55	3.87
			<i>For 316 Stainless Steel, Add</i>	18.34	
			<i>For Aluminum, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.55	
			<i>For 304 Stainless Steel, Add</i>	16.33	
05 12 23 00-0591			3/8" Thick <small>(05 12 23 00-0575)</small>		
05 12 23 00-0592	LF		3/8" Thick x 1" Wide Flat Steel Bar	4.21	1.72
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
05 12 23 00-0593	LF		3/8" Thick x 2" Wide Flat Steel Bar	6.86	2.58
			<i>For 316 Stainless Steel, Add</i>	9.57	
			<i>For Aluminum, Add</i>	0.54	
			<i>For Galvanized Steel, Add</i>	1.85	
			<i>For 304 Stainless Steel, Add</i>	8.52	
05 12 23 00-0594	LF		3/8" Thick x 4" Wide Flat Steel Bar	10.40	2.94
			<i>For 316 Stainless Steel, Add</i>	19.14	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.04	
05 12 23 00-0595	LF		3/8" Thick x 6" Wide Flat Steel Bar	14.95	4.35
			<i>For 316 Stainless Steel, Add</i>	26.91	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.97	
05 12 23 00-0596			1/2" Thick <small>(05 12 23 00-0575)</small>		
05 12 23 00-0597	LF		1/2" Thick x 1" Wide Flat Steel Bar	4.92	1.88
			<i>For 316 Stainless Steel, Add</i>	6.66	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.29	
			<i>For 304 Stainless Steel, Add</i>	5.93	
05 12 23 00-0598	LF		1/2" Thick x 2" Wide Flat Steel Bar	8.08	2.84
			<i>For 316 Stainless Steel, Add</i>	12.22	
			<i>For Aluminum, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.37	
			<i>For 304 Stainless Steel, Add</i>	10.89	
05 12 23 00-0599	LF		1/2" Thick x 4" Wide Flat Steel Bar	11.36	3.23
			<i>For 316 Stainless Steel, Add</i>	20.80	
			<i>For Aluminum, Add</i>	1.17	
			<i>For Galvanized Steel, Add</i>	4.03	
			<i>For 304 Stainless Steel, Add</i>	18.53	
05 12 23 00-0600	LF		1/2" Thick x 6" Wide Flat Steel Bar	20.16	4.79
			<i>For 316 Stainless Steel, Add</i>	41.50	
			<i>For Aluminum, Add</i>	2.33	
			<i>For Galvanized Steel, Add</i>	8.04	
			<i>For 304 Stainless Steel, Add</i>	36.96	
05 12 23 00-0601			Flat Steel Plate <small>(05 12 23 00-0146)</small>		
05 12 23 00-0602	SF		1/8" Thick Flat Steel Plate	12.41	5.01
			<i>For 316 Stainless Steel, Add</i>	15.65	
			<i>For Aluminum, Add</i>	0.88	
			<i>For Galvanized Steel, Add</i>	3.03	
			<i>For 304 Stainless Steel, Add</i>	13.94	
05 12 23 00-0603	SF		3/16" Thick Flat Steel Plate	13.90	5.18
			<i>For 316 Stainless Steel, Add</i>	19.58	
			<i>For Aluminum, Add</i>	1.10	
			<i>For Galvanized Steel, Add</i>	3.79	
			<i>For 304 Stainless Steel, Add</i>	17.44	
05 12 23 00-0604	SF		1/4" Thick Flat Steel Plate	16.53	5.81
			<i>For 316 Stainless Steel, Add</i>	24.99	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.84	
			<i>For 304 Stainless Steel, Add</i>	22.26	
05 12 23 00-0605	SF		3/8" Thick Flat Steel Plate	22.06	6.53
			<i>For 316 Stainless Steel, Add</i>	39.20	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	34.91	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0606	SF		1/2" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	26.05 48.83 2.75 9.46 43.49	7.19
	05 12 23 00-0607	SF		3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	42.12 91.62 5.15 17.75 81.60	8.90
	05 12 23 00-0608	SF		1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	56.06 125.44 7.06 24.30 111.72	11.12

05 14 Structural Aluminum Framing (05 10)

05 14 16 Structural Aluminum Framing (05 14)

05 14 16 00-0001 Rolled Or Plate Shapes (05 14 16)
Note: 1" through 10" member.

	05 14 16 00-0002	LB		Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.42	3.88
	05 14 16 00-0003	LB		Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.17	2.61

05 14 16 00-0004 Aluminum Extrusions (05 14 16)

	05 14 16 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.65	2.61
	05 14 16 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	6.88	2.61

05 14 16 00-0007 Aluminum Tubing (05 14 16)

	05 14 16 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	7.96	2.82
	05 14 16 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.36	4.57
	05 14 16 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	11.67	4.98
	05 14 16 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.55	5.82
	05 14 16 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.02	6.23
	05 14 16 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness	27.59	7.89
	05 14 16 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness	23.53	7.06

05 14 16 00-0015 Columns (05 14 16)

Note: Baked on paint finish, load bearing.

05 14 16 00-0016 Round Columns (05 14 16 00-0015)

	05 14 16 00-0017	LF		6" Diameter Aluminum Column	21.57	5.41
	05 14 16 00-0018	LF		8" Diameter Aluminum Column	28.65	7.75
	05 14 16 00-0019	LF		10" Diameter Aluminum Column	34.01	8.72
	05 14 16 00-0020	LF		12" Diameter Aluminum Column	46.00	9.12
	05 14 16 00-0021	LF		15" Diameter Aluminum Column	57.36	10.58
	05 14 16 00-0022	EA		6" Diameter Aluminum Base And Cap	40.27	10.09
	05 14 16 00-0023	EA		8" Diameter Aluminum Base And Cap	45.26	10.91
	05 14 16 00-0024	EA		10" Diameter Aluminum Base And Cap	55.06	12.11
	05 14 16 00-0025	EA		12" Diameter Aluminum Base And Cap	85.10	12.92
	05 14 16 00-0026	EA		15" Diameter Aluminum Base And Cap	123.20	14.13

05 14 16 00-0027 Octagonal Columns (05 14 16 00-0015)

	05 14 16 00-0028	LF		6" Diameter Aluminum Column	22.56	5.41
	05 14 16 00-0029	LF		8" Diameter Aluminum Column	31.28	7.75
	05 14 16 00-0030	LF		10" Diameter Aluminum Column	37.32	8.72
	05 14 16 00-0031	LF		12" Diameter Aluminum Column	51.56	9.12
	05 14 16 00-0032	LF		15" Diameter Aluminum Column	64.62	10.58
	05 14 16 00-0033	EA		6" Diameter Aluminum Base And Cap	44.28	10.09
	05 14 16 00-0034	EA		8" Diameter Aluminum Base And Cap	49.96	10.91
	05 14 16 00-0035	EA		10" Diameter Aluminum Base And Cap	61.23	12.11
	05 14 16 00-0036	EA		12" Diameter Aluminum Base And Cap	96.96	12.92
	05 14 16 00-0037	EA		15" Diameter Aluminum Base And Cap	142.19	14.13

05 14 16 00-0038 Fluted Columns (05 14 16 00-0015)

	05 14 16 00-0039	LF		6" Diameter Aluminum Column	24.33	5.41
	05 14 16 00-0040	LF		8" Diameter Aluminum Column	33.64	7.75
	05 14 16 00-0041	LF		10" Diameter Aluminum Column	40.31	8.72
	05 14 16 00-0042	LF		12" Diameter Aluminum Column	56.57	9.12
	05 14 16 00-0043	LF		15" Diameter Aluminum Column	71.15	10.58
	05 14 16 00-0044	EA		6" Diameter Aluminum Base And Cap	47.90	10.09
	05 14 16 00-0045	EA		8" Diameter Aluminum Base And Cap	54.18	10.91
	05 14 16 00-0046	EA		10" Diameter Aluminum Base And Cap	66.78	12.11
	05 14 16 00-0047	EA		12" Diameter Aluminum Base And Cap	107.62	12.92
	05 14 16 00-0048	EA		15" Diameter Aluminum Base And Cap	159.28	14.13

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 14 16 00-0049	Square Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0050	LF 6" Aluminum Column	25.55	5.41
05 14 16 00-0051	LF 8" Aluminum Column	35.25	7.75
05 14 16 00-0052	LF 10" Aluminum Column	42.35	8.72
05 14 16 00-0053	LF 12" Aluminum Column	59.99	9.12
05 14 16 00-0054	LF 15" Aluminum Column	75.62	10.58
05 14 16 00-0055	EA 6" Aluminum Base And Cap	50.37	10.09
05 14 16 00-0056	EA 8" Aluminum Base And Cap	57.07	10.91
05 14 16 00-0057	EA 10" Aluminum Base And Cap	70.58	12.11
05 14 16 00-0058	EA 12" Aluminum Base And Cap	114.92	12.92
05 14 16 00-0059	EA 15" Aluminum Base And Cap	170.97	14.13

05 14 16 00-0060	Ornamental Or Decorative Cap And Bases <small>(05 14 16 00-0015)</small>		
05 14 16 00-0061	EA 8" Corinthian Capital And Base	228.62	12.11
05 14 16 00-0062	EA 10" Corinthian Capital And Base	331.80	14.13
05 14 16 00-0063	EA 12" Corinthian Capital And Base	517.09	16.15
05 14 16 00-0064	EA 8" Scamozzi Capital And Base	121.18	12.11
05 14 16 00-0065	EA 10" Scamozzi Capital And Base	159.72	14.13
05 14 16 00-0066	EA 12" Scamozzi Capital And Base	305.88	16.15

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

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

05 15 16 00-0001	6x7 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0002	LF 1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.31	0.06
	For 7x7 Strand Core, Add	0.01	
	For <100, Add	0.08	
	For >500 To 1,000, Deduct	-0.02	
	For >1,000 To 2,000, Deduct	-0.02	
	For >2,000, Deduct	-0.03	
05 15 16 00-0003	LF 3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.35	0.07
	For 7x7 Strand Core, Add	0.01	
	For <100, Add	0.09	
	For >500 To 1,000, Deduct	-0.02	
	For >1,000 To 2,000, Deduct	-0.03	
	For >2,000, Deduct	-0.04	
05 15 16 00-0004	LF 1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.46	0.07
	For 7x7 Strand Core, Add	0.02	
	For <100, Add	0.13	
	For >500 To 1,000, Deduct	-0.02	
	For >1,000 To 2,000, Deduct	-0.03	
	For >2,000, Deduct	-0.05	
05 15 16 00-0005	LF 5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.50	0.08
	For 7x7 Strand Core, Add	0.02	
	For <100, Add	0.14	
	For >500 To 1,000, Deduct	-0.03	
	For >1,000 To 2,000, Deduct	-0.04	
	For >2,000, Deduct	-0.05	
05 15 16 00-0006	LF 3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.72	0.08
	For 7x7 Strand Core, Add	0.03	
	For <100, Add	0.21	
	For >500 To 1,000, Deduct	-0.04	
	For >1,000 To 2,000, Deduct	-0.05	
	For >2,000, Deduct	-0.07	
05 15 16 00-0007	LF 1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.94	0.08
	For 7x7 Strand Core, Add	0.04	
	For <100, Add	0.29	
	For >500 To 1,000, Deduct	-0.05	
	For >1,000 To 2,000, Deduct	-0.07	
	For >2,000, Deduct	-0.09	
05 15 16 00-0008	LF 5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.18	0.08
	For 7x7 Strand Core, Add	0.05	
	For <100, Add	0.36	
	For >500 To 1,000, Deduct	-0.06	
	For >1,000 To 2,000, Deduct	-0.09	
	For >2,000, Deduct	-0.12	
05 15 16 00-0009	LF 3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.50	0.08
	For 7x7 Strand Core, Add	0.06	
	For <100, Add	0.46	
	For >500 To 1,000, Deduct	-0.08	
	For >1,000 To 2,000, Deduct	-0.11	
	For >2,000, Deduct	-0.15	
05 15 16 00-0010	LF 7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.85	0.16
	For 7x7 Strand Core, Add	0.07	
	For <100, Add	0.55	
	For >500 To 1,000, Deduct	-0.09	
	For >1,000 To 2,000, Deduct	-0.14	
	For >2,000, Deduct	-0.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0011	LF			1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.18 0.08 0.64 -0.11 -0.16 -0.22	0.16
05 15 16 00-0012	LF			9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.66 0.09 0.77 -0.13 -0.20 -0.27	0.25
05 15 16 00-0013	LF			5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.05 0.10 0.87 -0.15 -0.23 -0.31	0.33
05 15 16 00-0014	LF			3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.11 0.14 1.16 -0.21 -0.31 -0.41	0.41
05 15 16 00-0015				8x19 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0016	LF			3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.04 0.32 -0.05 -0.08 -0.10	0.08
05 15 16 00-0017	LF			1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.55 0.50 -0.08 -0.12 -0.16	0.08
05 15 16 00-0018	LF			5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.78 0.57 -0.09 -0.13 -0.18	0.08
05 15 16 00-0019	LF			3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.08 0.66 -0.10 -0.16 -0.21	0.08
05 15 16 00-0020	LF			7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.47 0.77 -0.12 -0.19 -0.25	0.16
05 15 16 00-0021	LF			1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.84 0.87 -0.14 -0.21 -0.28	0.16
05 15 16 00-0022	LF			9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.36 1.01 -0.17 -0.25 -0.34	0.25
05 15 16 00-0023	LF			5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.05 1.21 -0.20 -0.30 -0.41	0.33
05 15 16 00-0024	LF			3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	5.65 1.69 -0.28 -0.42 -0.57	0.41
05 15 16 00-0025	LF			7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	7.52 2.23 -0.38 -0.56 -0.75	0.58
05 15 16 00-0026	LF			1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	9.45 2.78 -0.47 -0.71 -0.95	0.84

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0027	LF		1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	6.89	1.00
			For <100, Add	1.75	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 2,000, Deduct	-0.52	
			For >2,000, Deduct	-0.69	
05 15 16 00-0028	LF		1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	14.27	1.25
			For <100, Add	4.16	
			For >500 To 1,000, Deduct	-0.71	
			For >1,000 To 2,000, Deduct	-1.07	
			For >2,000, Deduct	-1.43	
05 15 16 00-0029	LF		1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.15	1.50
			For <100, Add	5.01	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000 To 2,000, Deduct	-1.29	
			For >2,000, Deduct	-1.72	
05 15 16 00-0030	LF		1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.38	1.83
			For <100, Add	5.95	
			For >500 To 1,000, Deduct	-1.02	
			For >1,000 To 2,000, Deduct	-1.53	
			For >2,000, Deduct	-2.04	
05 15 16 00-0031			6x19 Class Bright, IPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0032	LF		1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.47	0.08
			For <100, Add	0.48	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
			For 7x19 Strand Core, Add	0.26	
			For Heavy Duty IWRC Rating, Add	0.32	
			For 7x19 Galvanized, Add	0.70	
05 15 16 00-0033	LF		5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.74	0.08
			For <100, Add	0.55	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.17	
			For 7x19 Strand Core, Add	0.29	
			For Heavy Duty IWRC Rating, Add	0.36	
			For 7x19 Galvanized, Add	0.79	
05 15 16 00-0034	LF		3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.09	0.16
			For <100, Add	0.65	
			For >500 To 1,000, Deduct	-0.10	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
			For 7x19 Strand Core, Add	0.33	
			For Heavy Duty IWRC Rating, Add	0.42	
			For 7x19 Galvanized, Add	0.91	
05 15 16 00-0035	LF		7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.46	0.16
			For <100, Add	0.75	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.18	
			For >2,000, Deduct	-0.25	
			For 7x19 Strand Core, Add	0.38	
			For Heavy Duty IWRC Rating, Add	0.47	
			For 7x19 Galvanized, Add	1.03	
05 15 16 00-0036	LF		1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.88	0.25
			For <100, Add	0.85	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.22	
			For >2,000, Deduct	-0.29	
			For 7x19 Strand Core, Add	0.42	
			For Heavy Duty IWRC Rating, Add	0.53	
			For 7x19 Galvanized, Add	1.16	
05 15 16 00-0037	LF		9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.40	0.33
			For <100, Add	0.99	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.34	
			For 7x19 Strand Core, Add	0.48	
			For Heavy Duty IWRC Rating, Add	0.61	
			For 7x19 Galvanized, Add	1.33	
05 15 16 00-0038	LF		5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.92	0.33
			For <100, Add	1.13	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.39	
			For 7x19 Strand Core, Add	0.54	
			For Heavy Duty IWRC Rating, Add	0.68	
			For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039	LF		3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	5.55	0.58
			For <100, Add	1.59	
			For >500 To 1,000, Deduct	-0.28	
			For >1,000 To 2,000, Deduct	-0.42	
			For >2,000, Deduct	-0.56	
			For 7x19 Strand Core, Add	0.76	
			For Heavy Duty IWRC Rating, Add	0.95	
			For 7x19 Galvanized, Add	2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0040 LF 7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	7.33	0.66
For <100, Add	2.09	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,000, Deduct	-0.55	
For >2,000, Deduct	-0.73	
For 7x19 Strand Core, Add	0.99	
For Heavy Duty IWRC Rating, Add	1.24	
For 7x19 Galvanized, Add	2.72	
05 15 16 00-0041 LF 1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	9.22	0.92
For <100, Add	2.60	
For >500 To 1,000, Deduct	-0.46	
For >1,000 To 2,000, Deduct	-0.69	
For >2,000, Deduct	-0.92	
For 7x19 Strand Core, Add	1.22	
For Heavy Duty IWRC Rating, Add	1.52	
For 7x19 Galvanized, Add	3.35	
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	11.42	1.17
For <100, Add	3.22	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-0.86	
For >2,000, Deduct	-1.14	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	13.61	1.41
For <100, Add	3.82	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.02	
For >2,000, Deduct	-1.36	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	16.52	1.74
For <100, Add	4.62	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.24	
For >2,000, Deduct	-1.65	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	19.60	2.07
For <100, Add	5.47	
For >500 To 1,000, Deduct	-0.98	
For >1,000 To 2,000, Deduct	-1.47	
For >2,000, Deduct	-1.96	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	
05 15 16 00-0046 LF 1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.32	2.41
For <100, Add	6.54	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000, Deduct	-2.33	
For 7x19 Strand Core, Add	3.04	
For Heavy Duty IWRC Rating, Add	3.81	
For 7x19 Galvanized, Add	8.37	
05 15 16 00-0047 LF 1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	31.24	4.06
For <100, Add	8.26	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,000, Deduct	-2.34	
For >2,000, Deduct	-3.12	
For 7x19 Strand Core, Add	3.57	
For Heavy Duty IWRC Rating, Add	4.47	
For 7x19 Galvanized, Add	9.83	
05 15 16 00-0048 LF 1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	35.89	4.59
For <100, Add	9.49	
For >500 To 1,000, Deduct	-1.79	
For >1,000 To 2,000, Deduct	-2.69	
For >2,000, Deduct	-3.59	
For 7x19 Strand Core, Add	4.11	
For Heavy Duty IWRC Rating, Add	5.14	
For 7x19 Galvanized, Add	11.30	
05 15 16 00-0049 LF 2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	41.22	5.29
For <100, Add	10.90	
For >500 To 1,000, Deduct	-2.06	
For >1,000 To 2,000, Deduct	-3.09	
For >2,000, Deduct	-4.12	
For 7x19 Strand Core, Add	4.72	
For Heavy Duty IWRC Rating, Add	5.90	
For 7x19 Galvanized, Add	12.97	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0050	LF		2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	46.43	5.91
			<i>For <100, Add</i>	12.33	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000 To 2,000, Deduct</i>	-3.48	
			<i>For >2,000, Deduct</i>	-4.64	
			<i>For 7x19 Strand Core, Add</i>	5.37	
			<i>For Heavy Duty IWRC Rating, Add</i>	6.71	
			<i>For 7x19 Galvanized, Add</i>	14.76	
05 15 16 00-0051	LF		2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	52.65	6.62
			<i>For <100, Add</i>	14.02	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000 To 2,000, Deduct</i>	-3.95	
			<i>For >2,000, Deduct</i>	-5.27	
			<i>For 7x19 Strand Core, Add</i>	6.12	
			<i>For Heavy Duty IWRC Rating, Add</i>	7.65	
			<i>For 7x19 Galvanized, Add</i>	16.83	
05 15 16 00-0052			6x37 Class Bright, IPS, IWRC ^(05 15 16)		
05 15 16 00-0053	LF		1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.85	0.08
			<i>For <100, Add</i>	0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.14	
			<i>For >2,000, Deduct</i>	-0.19	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0054	LF		5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.21	0.08
			<i>For <100, Add</i>	0.71	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.17	
			<i>For >2,000, Deduct</i>	-0.22	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0055	LF		3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.66	0.16
			<i>For <100, Add</i>	0.85	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
			<i>For XIPS Wire, Add</i>	0.06	
05 15 16 00-0056	LF		7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.07	0.16
			<i>For <100, Add</i>	0.96	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
			<i>For XIPS Wire, Add</i>	0.07	
05 15 16 00-0057	LF		1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.58	0.25
			<i>For <100, Add</i>	1.10	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000 To 2,000, Deduct</i>	-0.27	
			<i>For >2,000, Deduct</i>	-0.36	
			<i>For XIPS Wire, Add</i>	0.09	
05 15 16 00-0058	LF		9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.14	0.33
			<i>For <100, Add</i>	1.25	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000 To 2,000, Deduct</i>	-0.31	
			<i>For >2,000, Deduct</i>	-0.41	
			<i>For XIPS Wire, Add</i>	0.10	
05 15 16 00-0059	LF		5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.72	0.33
			<i>For <100, Add</i>	1.41	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.35	
			<i>For >2,000, Deduct</i>	-0.47	
			<i>For XIPS Wire, Add</i>	0.11	
05 15 16 00-0060	LF		3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	6.31	0.58
			<i>For <100, Add</i>	1.86	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.47	
			<i>For >2,000, Deduct</i>	-0.63	
			<i>For XIPS Wire, Add</i>	0.15	
05 15 16 00-0061	LF		7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	8.15	0.66
			<i>For <100, Add</i>	2.38	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000 To 2,000, Deduct</i>	-0.61	
			<i>For >2,000, Deduct</i>	-0.82	
			<i>For XIPS Wire, Add</i>	0.19	
05 15 16 00-0062	LF		1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	10.26	0.92
			<i>For <100, Add</i>	2.98	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000 To 2,000, Deduct</i>	-0.77	
			<i>For >2,000, Deduct</i>	-1.03	
			<i>For XIPS Wire, Add</i>	0.24	
05 15 16 00-0063	LF		1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	12.73	1.17
			<i>For <100, Add</i>	3.66	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000 To 2,000, Deduct</i>	-0.95	
			<i>For >2,000, Deduct</i>	-1.27	
			<i>For XIPS Wire, Add</i>	0.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0064	LF		1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	15.17	1.41
			For <100, Add	4.36	
			For >500 To 1,000, Deduct	-0.76	
			For >1,000 To 2,000, Deduct	-1.14	
			For >2,000, Deduct	-1.52	
			For XIPS Wire, Add	0.36	
05 15 16 00-0065	LF		1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	17.99	1.74
			For <100, Add	5.13	
			For >500 To 1,000, Deduct	-0.90	
			For >1,000 To 2,000, Deduct	-1.35	
			For >2,000, Deduct	-1.80	
			For XIPS Wire, Add	0.42	
05 15 16 00-0066	LF		1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	21.41	2.07
			For <100, Add	6.11	
			For >500 To 1,000, Deduct	-1.07	
			For >1,000 To 2,000, Deduct	-1.61	
			For >2,000, Deduct	-2.14	
			For XIPS Wire, Add	0.50	
05 15 16 00-0067	LF		1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	25.70	2.50
			For <100, Add	7.33	
			For >500 To 1,000, Deduct	-1.29	
			For >1,000 To 2,000, Deduct	-1.93	
			For >2,000, Deduct	-2.57	
			For XIPS Wire, Add	0.60	
05 15 16 00-0068	LF		1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	34.18	4.06
			For <100, Add	9.25	
			For >500 To 1,000, Deduct	-1.71	
			For >1,000 To 2,000, Deduct	-2.56	
			For >2,000, Deduct	-3.42	
			For XIPS Wire, Add	0.79	
05 15 16 00-0069	LF		1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	39.52	4.59
			For <100, Add	10.76	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000 To 2,000, Deduct	-2.96	
			For >2,000, Deduct	-3.95	
			For XIPS Wire, Add	0.91	
05 15 16 00-0070	LF		2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	45.08	5.29
			For <100, Add	12.25	
			For >500 To 1,000, Deduct	-2.25	
			For >1,000 To 2,000, Deduct	-3.38	
			For >2,000, Deduct	-4.51	
			For XIPS Wire, Add	1.04	
05 15 16 00-0071	LF		2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	50.83	5.91
			For <100, Add	13.87	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000 To 2,000, Deduct	-3.81	
			For >2,000, Deduct	-5.08	
			For XIPS Wire, Add	1.17	
05 15 16 00-0072	LF		2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	57.37	6.62
			For <100, Add	15.67	
			For >500 To 1,000, Deduct	-2.87	
			For >1,000 To 2,000, Deduct	-4.30	
			For >2,000, Deduct	-5.74	
			For XIPS Wire, Add	1.32	
05 15 16 00-0073			6x19 And 6x37 Swaged Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0074	LF		1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.05	0.33
			For <100, Add	1.55	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000, Deduct	-0.51	
05 15 16 00-0075	LF		9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.67	0.33
			For <100, Add	1.75	
			For >500 To 1,000, Deduct	-0.28	
			For >1,000 To 2,000, Deduct	-0.43	
			For >2,000, Deduct	-0.57	
05 15 16 00-0076	LF		5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.01	0.41
			For <100, Add	2.17	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000 To 2,000, Deduct	-0.53	
			For >2,000, Deduct	-0.70	
05 15 16 00-0077	LF		3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.64	0.66
			For <100, Add	2.61	
			For >500 To 1,000, Deduct	-0.43	
			For >1,000 To 2,000, Deduct	-0.65	
			For >2,000, Deduct	-0.86	
05 15 16 00-0078	LF		7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.75	0.84
			For <100, Add	3.21	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 2,000, Deduct	-0.81	
			For >2,000, Deduct	-1.08	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0079	LF		1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.29	1.08
			For <100, Add	3.91	
			For >500 To 1,000, Deduct	-0.66	
			For >1,000 To 2,000, Deduct	-1.00	
			For >2,000, Deduct	-1.33	
05 15 16 00-0080	LF		1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.71	1.41
			For <100, Add	4.91	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.25	
			For >2,000, Deduct	-1.67	
05 15 16 00-0081	LF		1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	19.97	1.74
			For <100, Add	5.84	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 2,000, Deduct	-1.50	
			For >2,000, Deduct	-2.00	
05 15 16 00-0082	LF		1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.44	2.07
			For <100, Add	6.81	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000 To 2,000, Deduct	-1.76	
			For >2,000, Deduct	-2.34	
05 15 16 00-0083	LF		1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.60	3.53
			For <100, Add	8.71	
			For >500 To 1,000, Deduct	-1.58	
			For >1,000 To 2,000, Deduct	-2.37	
			For >2,000, Deduct	-3.16	
05 15 16 00-0084			Flattened Strand Wire Rope, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0085	LF		5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.50	0.33
			For <100, Add	2.04	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000 To 2,000, Deduct	-0.49	
			For >2,000, Deduct	-0.65	
05 15 16 00-0086	LF		3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.79	0.50
			For <100, Add	2.74	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-0.88	
05 15 16 00-0087	LF		7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.12	0.66
			For <100, Add	3.43	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 2,000, Deduct	-0.83	
			For >2,000, Deduct	-1.11	
05 15 16 00-0088	LF		1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.61	0.92
			For <100, Add	4.17	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000, Deduct	-1.36	
05 15 16 00-0089	LF		1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.49	1.17
			For <100, Add	5.01	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000 To 2,000, Deduct	-1.24	
			For >2,000, Deduct	-1.65	
05 15 16 00-0090	LF		1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	19.96	1.41
			For <100, Add	6.05	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 2,000, Deduct	-1.50	
			For >2,000, Deduct	-2.00	
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.07	1.66
			For <100, Add	7.30	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000 To 2,000, Deduct	-1.81	
			For >2,000, Deduct	-2.41	
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.51	2.07
			For <100, Add	8.97	
			For >500 To 1,000, Deduct	-1.48	
			For >1,000 To 2,000, Deduct	-2.21	
			For >2,000, Deduct	-2.95	
05 15 16 00-0093	LF		1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	35.22	2.41
			For <100, Add	10.75	
			For >500 To 1,000, Deduct	-1.76	
			For >1,000 To 2,000, Deduct	-2.64	
			For >2,000, Deduct	-3.52	
05 15 16 00-0094	LF		1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	45.15	3.88
			For <100, Add	13.24	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000 To 2,000, Deduct	-3.39	
			For >2,000, Deduct	-4.52	
05 15 16 00-0095			Flattened Strand Wire Rope, XIP, IWRC <small>(05 15 16)</small>		
05 15 16 00-0096	LF		5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	6.56	0.33
			For <100, Add	2.05	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000 To 2,000, Deduct	-0.49	
			For >2,000, Deduct	-0.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0097 LF 3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	8.87	0.58
For <100, Add	2.75	
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 2,000, Deduct	-0.67	
For >2,000, Deduct	-0.89	
05 15 16 00-0098 LF 7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	11.24	0.74
For <100, Add	3.45	
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 2,000, Deduct	-0.84	
For >2,000, Deduct	-1.12	
05 15 16 00-0099 LF 1" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	13.76	0.92
For <100, Add	4.19	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-1.38	
05 15 16 00-0100 LF 1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	16.65	1.17
For <100, Add	5.03	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.25	
For >2,000, Deduct	-1.67	
05 15 16 00-0101 LF 1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	20.19	1.50
For <100, Add	6.08	
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000, Deduct	-2.02	
05 15 16 00-0102 LF 1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	24.37	1.83
For <100, Add	7.34	
For >500 To 1,000, Deduct	-1.22	
For >1,000 To 2,000, Deduct	-1.83	
For >2,000, Deduct	-2.44	
05 15 16 00-0103 LF 1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	29.79	2.16
For <100, Add	9.01	
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 2,000, Deduct	-2.23	
For >2,000, Deduct	-2.98	
05 15 16 00-0104 LF 1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	39.07	3.53
For <100, Add	11.32	
For >500 To 1,000, Deduct	-1.95	
For >1,000 To 2,000, Deduct	-2.93	
For >2,000, Deduct	-3.91	
05 15 16 00-0105 LF 1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	46.44	4.23
For <100, Add	13.43	
For >500 To 1,000, Deduct	-2.32	
For >1,000 To 2,000, Deduct	-3.48	
For >2,000, Deduct	-4.64	
05 15 16 00-0106 5x19 Coated Wire Rope, Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107 LF 9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	4.78	0.08
For <100, Add	1.60	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000, Deduct	-0.48	
05 15 16 00-0108 LF 5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	5.37	0.16
For <100, Add	1.79	
For >500 To 1,000, Deduct	-0.27	
For >1,000 To 2,000, Deduct	-0.40	
For >2,000, Deduct	-0.54	
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	5.83	0.16
For <100, Add	1.92	
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 2,000, Deduct	-0.44	
For >2,000, Deduct	-0.58	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	6.46	0.16
For <100, Add	2.12	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.48	
For >2,000, Deduct	-0.65	
05 15 16 00-0111 LF 13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	7.15	0.25
For <100, Add	2.33	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000, Deduct	-0.72	
05 15 16 00-0112 LF 7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	7.77	0.33
For <100, Add	2.51	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.58	
For >2,000, Deduct	-0.78	
05 15 16 00-0113 LF 1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	9.43	0.41
For <100, Add	3.02	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000, Deduct	-0.94	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0114	LF		1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.57	0.58
			For <100, Add	3.68	
			For >500 To 1,000, Deduct	-0.58	
			For >1,000 To 2,000, Deduct	-0.87	
			For >2,000, Deduct	-1.16	
05 15 16 00-0115	LF		1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.63	0.66
			For <100, Add	4.33	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000, Deduct	-1.36	
05 15 16 00-0116	LF		1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.30	0.84
			For <100, Add	5.14	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000 To 2,000, Deduct	-1.22	
			For >2,000, Deduct	-1.63	
05 15 16 00-0117	LF		1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.12	1.08
			For <100, Add	5.99	
			For >500 To 1,000, Deduct	-0.96	
			For >1,000 To 2,000, Deduct	-1.43	
			For >2,000, Deduct	-1.91	
05 15 16 00-0118	LF		1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	22.51	1.33
			For <100, Add	7.01	
			For >500 To 1,000, Deduct	-1.13	
			For >1,000 To 2,000, Deduct	-1.69	
			For >2,000, Deduct	-2.25	
05 15 16 00-0119	LF		1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	26.89	1.58
			For <100, Add	8.37	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000 To 2,000, Deduct	-2.02	
			For >2,000, Deduct	-2.69	
05 15 16 00-0120			19x7 Rotation Resistant Wire Rope, IPS <small>(05 15 16)</small>		
05 15 16 00-0121	LF		3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.45	0.08
			For <100, Add	0.47	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
05 15 16 00-0122	LF		1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.71	0.08
			For <100, Add	0.56	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.17	
05 15 16 00-0123	LF		5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.14	0.08
			For <100, Add	0.69	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
05 15 16 00-0124	LF		3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.39	0.16
			For <100, Add	0.75	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.18	
			For >2,000, Deduct	-0.24	
05 15 16 00-0125	LF		7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.81	0.16
			For <100, Add	0.87	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000, Deduct	-0.28	
05 15 16 00-0126	LF		1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.04	0.16
			For <100, Add	0.95	
			For >500 To 1,000, Deduct	-0.15	
			For >1,000 To 2,000, Deduct	-0.23	
			For >2,000, Deduct	-0.30	
05 15 16 00-0127	LF		9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.71	0.33
			For <100, Add	1.10	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.28	
			For >2,000, Deduct	-0.37	
05 15 16 00-0128	LF		5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	4.41	0.33
			For <100, Add	1.31	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000 To 2,000, Deduct	-0.33	
			For >2,000, Deduct	-0.44	
05 15 16 00-0129	LF		3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	6.41	0.50
			For <100, Add	1.91	
			For >500 To 1,000, Deduct	-0.32	
			For >1,000 To 2,000, Deduct	-0.48	
			For >2,000, Deduct	-0.64	
05 15 16 00-0130	LF		7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	8.34	0.66
			For <100, Add	2.46	
			For >500 To 1,000, Deduct	-0.42	
			For >1,000 To 2,000, Deduct	-0.63	
			For >2,000, Deduct	-0.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0131 LF 1" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	10.42 3.04 -0.52 -0.78 -1.04	0.92
05 15 16 00-0132 LF 1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	12.77 3.70 -0.64 -0.96 -1.28	1.17
05 15 16 00-0133 LF 1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	15.40 4.44 -0.77 -1.16 -1.54	1.41
05 15 16 00-0134 LF 1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	18.27 5.25 -0.91 -1.37 -1.83	1.74
05 15 16 00-0135 LF 1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	21.21 6.07 -1.06 -1.59 -2.12	2.07
05 15 16 00-0136 8x19 Class Bright, Rotation Resistant, XIPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0137 LF 3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.54 0.80 -0.13 -0.19 -0.25	0.16
05 15 16 00-0138 LF 7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.98 0.93 -0.15 -0.22 -0.30	0.16
05 15 16 00-0139 LF 1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.44 1.05 -0.17 -0.26 -0.34	0.25
05 15 16 00-0140 LF 9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.03 1.21 -0.20 -0.30 -0.40	0.33
05 15 16 00-0141 LF 5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.69 1.40 -0.23 -0.35 -0.47	0.33
05 15 16 00-0142 LF 3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.65 1.97 -0.33 -0.50 -0.67	0.58
05 15 16 00-0143 LF 7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	8.77 2.59 -0.44 -0.66 -0.88	0.66
05 15 16 00-0144 LF 1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	11.01 3.23 -0.55 -0.83 -1.10	0.92
05 15 16 00-0145 LF 1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	13.44 3.91 -0.67 -1.01 -1.34	1.17
05 15 16 00-0146 LF 1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	16.05 4.64 -0.80 -1.20 -1.61	1.41
05 15 16 00-0147 LF 1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	19.39 5.60 -0.97 -1.45 -1.94	1.83



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0148	LF	1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.17	2.16
		<i>For <100, Add</i>	6.67	
		<i>For >500 To 1,000, Deduct</i>	-1.16	
		<i>For >1,000 To 2,000, Deduct</i>	-1.74	
		<i>For >2,000, Deduct</i>	-2.32	
05 15 16 00-0149		Heavy Duty Galvanized Wire Rope Thimbles (05 15 16)		
05 15 16 00-0150	EA	1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.14	2.50
05 15 16 00-0151	EA	5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.68	2.50
05 15 16 00-0152	EA	3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.29	2.50
05 15 16 00-0153	EA	7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.79	2.50
05 15 16 00-0154	EA	1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.88	2.50
05 15 16 00-0155	EA	9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.88	2.50
05 15 16 00-0156	EA	5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.39	2.50
05 15 16 00-0157	EA	3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.23	3.83
05 15 16 00-0158	EA	7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	25.37	4.65
05 15 16 00-0159	EA	1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	43.62	7.64
05 15 16 00-0160	EA	1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	61.47	10.38
05 15 16 00-0161	EA	1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	63.80	10.38
05 15 16 00-0162	EA	1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	127.86	21.68
05 15 16 00-0163	EA	1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	183.21	31.15
05 15 16 00-0164	EA	1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	274.16	34.88
05 15 16 00-0165	EA	1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	323.44	41.53
05 15 16 00-0166	EA	1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	424.60	52.33
05 15 16 00-0167	EA	2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	443.49	52.33
05 15 16 00-0168	EA	2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	637.51	83.07
05 15 16 00-0169		Galvanized Wire Rope Clips (05 15 16)		
05 15 16 00-0170	EA	1/8" Diameter Galvanized Wire Rope Clips	10.89	2.50
05 15 16 00-0171	EA	3/16" Diameter Galvanized Wire Rope Clips	11.09	2.50
05 15 16 00-0172	EA	1/4" Diameter Galvanized Wire Rope Clips	12.23	2.50
05 15 16 00-0173	EA	5/16" Diameter Galvanized Wire Rope Clips	12.36	2.50
05 15 16 00-0174	EA	3/8" Diameter Galvanized Wire Rope Clips	12.65	2.50
05 15 16 00-0175	EA	7/16" Diameter Galvanized Wire Rope Clips	15.20	2.50
05 15 16 00-0176	EA	1/2" Diameter Galvanized Wire Rope Clips	15.20	2.50
05 15 16 00-0177	EA	9/16" Diameter Galvanized Wire Rope Clips	17.33	2.50
05 15 16 00-0178	EA	5/8" Diameter Galvanized Wire Rope Clips	17.33	2.50
05 15 16 00-0179	EA	3/4" Diameter Galvanized Wire Rope Clips	24.17	3.32
05 15 16 00-0180	EA	7/8" Diameter Galvanized Wire Rope Clips	36.56	4.98
05 15 16 00-0181	EA	1" Diameter Galvanized Wire Rope Clips	39.56	4.98
05 15 16 00-0182	EA	1-1/8" Diameter Galvanized Wire Rope Clips	47.36	6.64
05 15 16 00-0183	EA	1-1/4" Diameter Galvanized Wire Rope Clips	69.45	9.97
05 15 16 00-0184	EA	1-3/8" Diameter Galvanized Wire Rope Clips	84.04	10.80
05 15 16 00-0185	EA	1-1/2" Diameter Galvanized Wire Rope Clips	91.91	12.46
05 15 16 00-0186	EA	1-5/8" Diameter Galvanized Wire Rope Clips	135.04	15.79
05 15 16 00-0187	EA	1-3/4" Diameter Galvanized Wire Rope Clips	179.80	20.77
05 15 16 00-0188	EA	2" Diameter Galvanized Wire Rope Clips	218.87	27.41
05 15 16 00-0189	EA	2-1/4" Diameter Galvanized Wire Rope Clips	293.18	34.88
05 15 16 00-0190	EA	2-1/2" Diameter Galvanized Wire Rope Clips	326.21	38.21
05 15 16 00-0191	EA	2-3/4" Diameter Galvanized Wire Rope Clips	465.45	46.51
05 15 16 00-0192	EA	3" Diameter Galvanized Wire Rope Clips	623.00	68.94
05 15 16 00-0193		Open Swage Sockets (05 15 16)		
05 15 16 00-0194	EA	1/4" Diameter Open Swage Sockets	50.36	2.50
05 15 16 00-0195	EA	5/16" Diameter Open Swage Sockets	61.69	2.50
05 15 16 00-0196	EA	3/8" Diameter Open Swage Sockets	64.98	3.32
05 15 16 00-0197	EA	7/16" Diameter Open Swage Sockets	78.43	4.16
05 15 16 00-0198	EA	1/2" Diameter Open Swage Sockets	78.43	4.16
05 15 16 00-0199	EA	9/16" Diameter Open Swage Sockets	120.77	9.14
05 15 16 00-0200	EA	5/8" Diameter Open Swage Sockets	120.77	9.14
05 15 16 00-0201	EA	3/4" Diameter Open Swage Sockets	164.06	17.45
05 15 16 00-0202	EA	7/8" Diameter Open Swage Sockets	222.88	24.92
05 15 16 00-0203	EA	1" Diameter Open Swage Sockets	319.38	38.21
05 15 16 00-0204	EA	1-1/8" Diameter Open Swage Sockets	438.80	59.80
05 15 16 00-0205	EA	1-1/4" Diameter Open Swage Sockets	511.69	68.94
05 15 16 00-0206	EA	1-3/8" Diameter Open Swage Sockets	685.46	91.37
05 15 16 00-0207	EA	1-1/2" Diameter Open Swage Sockets	988.88	116.29
05 15 16 00-0208	EA	1-3/4" Diameter Open Swage Sockets	1,467.18	141.21
05 15 16 00-0209	EA	2" Diameter Open Swage Sockets	2,488.23	274.11
05 15 16 00-0210		Closed Swage Sockets (05 15 16)		
05 15 16 00-0211	EA	1/4" Diameter Closed Swage Sockets	32.84	2.50
05 15 16 00-0212	EA	5/16" Diameter Closed Swage Sockets	43.12	2.50
05 15 16 00-0213	EA	3/8" Diameter Closed Swage Sockets	50.87	2.50
05 15 16 00-0214	EA	7/16" Diameter Closed Swage Sockets	54.43	3.32
05 15 16 00-0215	EA	1/2" Diameter Closed Swage Sockets	60.03	3.32
05 15 16 00-0216	EA	9/16" Diameter Closed Swage Sockets	78.61	5.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0217	EA		5/8" Diameter Closed Swage Sockets	82.57	6.64
05 15 16 00-0218	EA		3/4" Diameter Closed Swage Sockets	105.75	10.80
05 15 16 00-0219	EA		7/8" Diameter Closed Swage Sockets	140.43	15.79
05 15 16 00-0220	EA		1" Diameter Closed Swage Sockets	200.89	21.59
05 15 16 00-0221	EA		1-1/8" Diameter Closed Swage Sockets	253.47	29.90
05 15 16 00-0222	EA		1-1/4" Diameter Closed Swage Sockets	354.35	46.51
05 15 16 00-0223	EA		1-3/8" Diameter Closed Swage Sockets	464.38	59.80
05 15 16 00-0224	EA		1-1/2" Diameter Closed Swage Sockets	640.10	83.07
05 15 16 00-0225	EA		1-3/4" Diameter Closed Swage Sockets	869.69	107.98
05 15 16 00-0226	EA		2" Diameter Closed Swage Sockets	1,549.75	166.12
05 15 16 00-0227			Open Spelter Sockets Galvanized (05 15 16)		
05 15 16 00-0228	EA		1/4" Open Spelter Sockets, Galvanized	53.79	2.50
05 15 16 00-0229	EA		5/16" Open Spelter Sockets, Galvanized	56.54	2.50
05 15 16 00-0230	EA		3/8" Open Spelter Sockets, Galvanized	61.57	2.50
05 15 16 00-0231	EA		7/16" Open Spelter Sockets, Galvanized	67.01	4.98
05 15 16 00-0232	EA		1/2" Open Spelter Sockets, Galvanized	72.32	4.98
05 15 16 00-0233	EA		9/16" Open Spelter Sockets, Galvanized	92.64	8.31
05 15 16 00-0234	EA		5/8" Open Spelter Sockets, Galvanized	99.16	8.31
05 15 16 00-0235	EA		3/4" Open Spelter Sockets, Galvanized	122.31	12.46
05 15 16 00-0236	EA		7/8" Open Spelter Sockets, Galvanized	187.15	20.77
05 15 16 00-0237	EA		1" Open Spelter Sockets, Galvanized	326.14	32.40
05 15 16 00-0238	EA		1-1/8" Open Spelter Sockets, Galvanized	416.78	52.33
05 15 16 00-0239	EA		1-1/4" Open Spelter Sockets, Galvanized	560.23	68.94
05 15 16 00-0240	EA		1-3/8" Open Spelter Sockets, Galvanized	591.49	68.94
05 15 16 00-0241	EA		1-1/2" Open Spelter Sockets, Galvanized	971.76	91.37
05 15 16 00-0242	EA		1-5/8" Open Spelter Sockets, Galvanized	1,152.80	116.29
05 15 16 00-0243	EA		1-3/4" Open Spelter Sockets, Galvanized	1,744.27	182.73
05 15 16 00-0244	EA		1-7/8" Open Spelter Sockets, Galvanized	1,856.48	182.73
05 15 16 00-0245	EA		2" Open Spelter Sockets, Galvanized	2,288.16	274.11
05 15 16 00-0246	EA		2-1/8" Open Spelter Sockets, Galvanized	2,417.26	274.11
05 15 16 00-0247	EA		2-1/2" Open Spelter Sockets, Galvanized	2,982.52	348.86
05 15 16 00-0248	EA		2-3/8" Open Spelter Sockets, Galvanized	3,158.44	348.86
05 15 16 00-0249			Closed Spelter Sockets Galvanized (05 15 16)		
05 15 16 00-0250	EA		1/4" Closed Spelter Sockets, Galvanized	45.76	2.50
05 15 16 00-0251	EA		5/16" Closed Spelter Sockets, Galvanized	46.22	2.50
05 15 16 00-0252	EA		3/8" Closed Spelter Sockets, Galvanized	50.36	2.50
05 15 16 00-0253	EA		7/16" Closed Spelter Sockets, Galvanized	54.91	4.16
05 15 16 00-0254	EA		1/2" Closed Spelter Sockets, Galvanized	59.27	4.16
05 15 16 00-0255	EA		9/16" Closed Spelter Sockets, Galvanized	81.26	7.48
05 15 16 00-0256	EA		5/8" Closed Spelter Sockets, Galvanized	87.08	7.48
05 15 16 00-0257	EA		3/4" Closed Spelter Sockets, Galvanized	104.26	10.80
05 15 16 00-0258	EA		7/8" Closed Spelter Sockets, Galvanized	154.00	16.61
05 15 16 00-0259	EA		1" Closed Spelter Sockets, Galvanized	234.01	25.75
05 15 16 00-0260	EA		1-1/8" Closed Spelter Sockets, Galvanized	327.91	34.88
05 15 16 00-0261	EA		1-1/4" Closed Spelter Sockets, Galvanized	392.95	46.51
05 15 16 00-0262	EA		1-3/8" Closed Spelter Sockets, Galvanized	416.05	46.51
05 15 16 00-0263	EA		1-1/2" Closed Spelter Sockets, Galvanized	685.02	59.80
05 15 16 00-0264	EA		1-5/8" Closed Spelter Sockets, Galvanized	808.31	75.59
05 15 16 00-0265	EA		1-3/4" Closed Spelter Sockets, Galvanized	1,056.47	116.29
05 15 16 00-0266	EA		1-7/8" Closed Spelter Sockets, Galvanized	1,121.44	116.29
05 15 16 00-0267	EA		2" Closed Spelter Sockets, Galvanized	1,382.34	166.12
05 15 16 00-0268	EA		2-1/8" Closed Spelter Sockets, Galvanized	1,461.44	166.12
05 15 16 00-0269	EA		2-1/2" Closed Spelter Sockets, Galvanized	1,783.73	224.27
05 15 16 00-0270	EA		2-3/8" Closed Spelter Sockets, Galvanized	2,193.67	224.27
05 15 16 00-0271			Jaw And Jaw, Forged Steel Turnbuckles (05 15 16)		
05 15 16 00-0272	EA		1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle	15.61	2.50
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.10	
05 15 16 00-0273	EA		5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle	16.91	2.50
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.29	
05 15 16 00-0274	EA		3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	21.89	2.50
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.04	
05 15 16 00-0275	EA		1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle	30.25	3.32
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.44	
05 15 16 00-0276	EA		1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle	34.67	4.16
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.60	
05 15 16 00-0277	EA		1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	45.48	4.98
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-3.82	
05 15 16 00-0278	EA		5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	53.30	6.64
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.16	
05 15 16 00-0279	EA		5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle	64.94	6.64
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.59	
05 15 16 00-0280	EA		5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle	62.74	7.48
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.96	
05 15 16 00-0281	EA		3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle	69.18	9.14
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.07	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0282 EA 3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	82.09 -5.76	10.80
05 15 16 00-0283 EA 3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	88.74 -6.19	11.63
05 15 16 00-0284 EA 3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	110.85 -8.04	14.12
05 15 16 00-0285 EA 7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	166.99 -13.18	19.93
05 15 16 00-0286 EA 7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	195.99 -15.56	23.26
05 15 16 00-0287 EA 1" x 6", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	174.51 -14.31	19.93
05 15 16 00-0288 EA 1" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	201.97 -14.72	25.75
05 15 16 00-0289 EA 1" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	250.16 -18.36	32.40
05 15 16 00-0290 EA 1" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	391.44 -36.06	38.21
05 15 16 00-0291 EA 1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	351.88 -25.09	46.51
05 15 16 00-0292 EA 1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	412.55 -30.74	52.33
05 15 16 00-0293 EA 1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	527.26 -43.49	59.80
05 15 16 00-0294 EA 1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	556.62 -45.16	63.96
05 15 16 00-0295 EA 1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	651.80 -47.93	83.07
05 15 16 00-0296 EA 1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	871.27 -68.39	107.98
05 15 16 00-0297 EA 2" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,764.78 -140.12	207.65
05 15 16 00-0298 Forged Steel Eye Bolts (05 15 16)		
05 15 16 00-0299 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Eye Bolt	17.10	
05 15 16 00-0300 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Eye Bolt	24.83	
05 15 16 00-0301 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Eye Bolt	25.46	
05 15 16 00-0302 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Eye Bolt	33.40	
05 15 16 00-0303 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Eye Bolt	45.79	
05 15 16 00-0304 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Eye Bolt	53.21	
05 15 16 00-0305 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Eye Bolt	62.31	
05 15 16 00-0306 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Eye Bolt	78.19	
05 15 16 00-0307 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Eye Bolt	106.02	
05 15 16 00-0308 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Eye Bolt	147.02	
05 15 16 00-0309 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Eye Bolt	186.31	
05 15 16 00-0310 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Eye Bolt	234.05	
05 15 16 00-0311 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Eye Bolt	300.91	
05 15 16 00-0312 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Eye Bolt	435.23	
05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)		
05 15 19 00-0001 7x7 Class 304 Stainless Steel (05 15 19)		
05 15 19 00-0002 LF 3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.41	0.06
<i>For <100, Add</i>	0.12	
<i>For >500 To 1,000, Deduct</i>	-0.02	
<i>For >1,000 To 2,000, Deduct</i>	-0.03	
<i>For >2,000, Deduct</i>	-0.04	
<i>For 316 Stainless Steel, Add</i>	0.10	
05 15 19 00-0003 LF 1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.46	0.06
<i>For <100, Add</i>	0.14	
<i>For >500 To 1,000, Deduct</i>	-0.02	
<i>For >1,000 To 2,000, Deduct</i>	-0.03	
<i>For >2,000, Deduct</i>	-0.05	
<i>For 316 Stainless Steel, Add</i>	0.12	
05 15 19 00-0004 LF 5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.57	0.07
<i>For <100, Add</i>	0.17	
<i>For >500 To 1,000, Deduct</i>	-0.03	
<i>For >1,000 To 2,000, Deduct</i>	-0.04	
<i>For >2,000, Deduct</i>	-0.06	
<i>For 316 Stainless Steel, Add</i>	0.15	
05 15 19 00-0005 LF 3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.68	0.07
<i>For <100, Add</i>	0.21	
<i>For >500 To 1,000, Deduct</i>	-0.03	
<i>For >1,000 To 2,000, Deduct</i>	-0.05	
<i>For >2,000, Deduct</i>	-0.07	
<i>For 316 Stainless Steel, Add</i>	0.18	
05 15 19 00-0006 LF 1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.87	0.07
<i>For <100, Add</i>	0.27	
<i>For >500 To 1,000, Deduct</i>	-0.04	
<i>For >1,000 To 2,000, Deduct</i>	-0.07	
<i>For >2,000, Deduct</i>	-0.09	
<i>For 316 Stainless Steel, Add</i>	0.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0007	LF		5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.40	0.08
			For <100, Add	0.45	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.14	
			For 316 Stainless Steel, Add	0.41	
05 15 19 00-0008	LF		3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.59	0.08
			For <100, Add	0.51	
			For >500 To 1,000, Deduct	-0.08	
			For >1,000 To 2,000, Deduct	-0.12	
			For >2,000, Deduct	-0.16	
			For 316 Stainless Steel, Add	0.47	
05 15 19 00-0009	LF		1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.20	0.08
			For <100, Add	0.73	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.17	
			For >2,000, Deduct	-0.22	
			For 316 Stainless Steel, Add	0.68	
05 15 19 00-0010	LF		5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.76	0.08
			For <100, Add	0.92	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000, Deduct	-0.28	
			For 316 Stainless Steel, Add	0.85	
05 15 19 00-0011	LF		3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.46	0.08
			For <100, Add	1.14	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.35	
			For 316 Stainless Steel, Add	1.06	
05 15 19 00-0012	LF		7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.20	0.16
			For <100, Add	1.37	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000 To 2,000, Deduct	-0.32	
			For >2,000, Deduct	-0.42	
			For 316 Stainless Steel, Add	1.26	
05 15 19 00-0013	LF		1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.86	0.16
			For <100, Add	1.58	
			For >500 To 1,000, Deduct	-0.24	
			For >1,000 To 2,000, Deduct	-0.36	
			For >2,000, Deduct	-0.49	
			For 316 Stainless Steel, Add	1.44	
05 15 19 00-0014	LF		9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	5.83	0.25
			For <100, Add	1.88	
			For >500 To 1,000, Deduct	-0.29	
			For >1,000 To 2,000, Deduct	-0.44	
			For >2,000, Deduct	-0.58	
			For 316 Stainless Steel, Add	1.71	
05 15 19 00-0015	LF		5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	6.60	0.33
			For <100, Add	2.11	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000 To 2,000, Deduct	-0.50	
			For >2,000, Deduct	-0.66	
			For 316 Stainless Steel, Add	1.91	
05 15 19 00-0016	LF		3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	8.75	0.41
			For <100, Add	2.78	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-0.88	
			For 316 Stainless Steel, Add	2.50	
05 15 19 00-0017			7x19 Class 304 Stainless Steel <small>(05 15 19)</small>		
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope.....	3.65	0.08
			For <100, Add	1.24	
			For >500 To 1,000, Deduct	-0.18	
			For >1,000 To 2,000, Deduct	-0.27	
			For >2,000, Deduct	-0.37	
			For 316 Stainless Steel, Add	1.18	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.19	0.08
			For <100, Add	1.41	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000 To 2,000, Deduct	-0.31	
			For >2,000, Deduct	-0.42	
			For 316 Stainless Steel, Add	1.32	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.93	0.16
			For <100, Add	1.64	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000 To 2,000, Deduct	-0.37	
			For >2,000, Deduct	-0.49	
			For 316 Stainless Steel, Add	1.53	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.68	0.16
			<i>For <100, Add</i>	1.87	
			<i>For >500 To 1,000, Deduct</i>	-0.28	
			<i>For >1,000 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000, Deduct</i>	-0.57	
			<i>For 316 Stainless Steel, Add</i>	1.73	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	6.48	0.25
			<i>For <100, Add</i>	2.11	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.65	
			<i>For 316 Stainless Steel, Add</i>	1.94	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	7.56	0.33
			<i>For <100, Add</i>	2.45	
			<i>For >500 To 1,000, Deduct</i>	-0.38	
			<i>For >1,000 To 2,000, Deduct</i>	-0.57	
			<i>For >2,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	2.24	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	8.56	0.33
			<i>For <100, Add</i>	2.75	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000 To 2,000, Deduct</i>	-0.64	
			<i>For >2,000, Deduct</i>	-0.86	
			<i>For 316 Stainless Steel, Add</i>	2.50	
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.04	0.58
			<i>For <100, Add</i>	3.86	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000 To 2,000, Deduct</i>	-0.90	
			<i>For >2,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	3.50	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.79	0.66
			<i>For <100, Add</i>	5.05	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000 To 2,000, Deduct</i>	-1.18	
			<i>For >2,000, Deduct</i>	-1.58	
			<i>For 316 Stainless Steel, Add</i>	4.56	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.65	0.92
			<i>For <100, Add</i>	6.25	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000 To 2,000, Deduct</i>	-1.47	
			<i>For >2,000, Deduct</i>	-1.97	
			<i>For 316 Stainless Steel, Add</i>	5.62	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	24.30	1.17
			<i>For <100, Add</i>	7.73	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000 To 2,000, Deduct</i>	-1.82	
			<i>For >2,000, Deduct</i>	-2.43	
			<i>For 316 Stainless Steel, Add</i>	6.94	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	28.79	1.41
			<i>For <100, Add</i>	9.13	
			<i>For >500 To 1,000, Deduct</i>	-1.44	
			<i>For >1,000 To 2,000, Deduct</i>	-2.16	
			<i>For >2,000, Deduct</i>	-2.88	
			<i>For 316 Stainless Steel, Add</i>	8.18	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	34.81	1.74
			<i>For <100, Add</i>	11.02	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000 To 2,000, Deduct</i>	-2.61	
			<i>For >2,000, Deduct</i>	-3.48	
			<i>For 316 Stainless Steel, Add</i>	9.85	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	41.27	2.07
			<i>For <100, Add</i>	13.06	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000 To 2,000, Deduct</i>	-3.10	
			<i>For >2,000, Deduct</i>	-4.13	
			<i>For 316 Stainless Steel, Add</i>	11.68	
05 15 19 00-0032	LF		1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	49.36	2.41
			<i>For <100, Add</i>	15.66	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000 To 2,000, Deduct</i>	-3.70	
			<i>For >2,000, Deduct</i>	-4.94	
			<i>For 316 Stainless Steel, Add</i>	14.03	
05 15 19 00-0033	LF		1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	61.81	4.06
			<i>For <100, Add</i>	18.96	
			<i>For >500 To 1,000, Deduct</i>	-3.09	
			<i>For >1,000 To 2,000, Deduct</i>	-4.64	
			<i>For >2,000, Deduct</i>	-6.18	
			<i>For 316 Stainless Steel, Add</i>	16.47	
05 15 19 00-0034	LF		1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	71.05	4.59
			<i>For <100, Add</i>	21.80	
			<i>For >500 To 1,000, Deduct</i>	-3.55	
			<i>For >1,000 To 2,000, Deduct</i>	-5.33	
			<i>For >2,000, Deduct</i>	-7.11	
			<i>For 316 Stainless Steel, Add</i>	18.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0035	LF			2" Diameter 7x19 Class Stainless Steel Wire Rope.....	81.56	5.29
				<i>For <100, Add</i>	25.02	
				<i>For >500 To 1,000, Deduct</i>	-4.08	
				<i>For >1,000 To 2,000, Deduct</i>	-6.12	
				<i>For >2,000, Deduct</i>	-8.16	
				<i>For 316 Stainless Steel, Add</i>	21.73	
05 15 19 00-0036	LF			2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	92.35	5.91
				<i>For <100, Add</i>	28.40	
				<i>For >500 To 1,000, Deduct</i>	-4.62	
				<i>For >1,000 To 2,000, Deduct</i>	-6.93	
				<i>For >2,000, Deduct</i>	-9.24	
				<i>For 316 Stainless Steel, Add</i>	24.74	
05 15 19 00-0037	LF			2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	105.01	6.62
				<i>For <100, Add</i>	32.34	
				<i>For >500 To 1,000, Deduct</i>	-5.25	
				<i>For >1,000 To 2,000, Deduct</i>	-7.88	
				<i>For >2,000, Deduct</i>	-10.50	
				<i>For 316 Stainless Steel, Add</i>	28.21	

05 40 Cold-Formed Metal Framing ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing ^(05 40)

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

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

05 41 00 00-0002	SF			2-1/2" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.95	0.65
				<i>For Walls >10' High, Add</i>	0.59	
				<i>For Curved Wall, Add</i>	0.46	
				<i>For Up To 200, Add</i>	0.90	
				<i>For >200 To 500, Add</i>	0.45	
				<i>For 12" On Center, Add</i>	0.51	
				<i>For 24" On Center, Deduct</i>	-0.51	
05 41 00 00-0003	SF			3-5/8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.91	0.65
				<i>For Walls >10' High, Add</i>	0.78	
				<i>For Curved Wall, Add</i>	0.48	
				<i>For Up To 200, Add</i>	1.10	
				<i>For >200 To 500, Add</i>	0.55	
				<i>For 12" On Center, Add</i>	0.70	
				<i>For 24" On Center, Deduct</i>	-0.70	
05 41 00 00-0004	SF			4" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.07	0.65
				<i>For Walls >10' High, Add</i>	0.81	
				<i>For Curved Wall, Add</i>	0.50	
				<i>For Up To 200, Add</i>	1.15	
				<i>For >200 To 500, Add</i>	0.57	
				<i>For 12" On Center, Add</i>	0.73	
				<i>For 24" On Center, Deduct</i>	-0.73	
05 41 00 00-0005	SF			6" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.22	0.72
				<i>For Walls >10' High, Add</i>	1.04	
				<i>For Curved Wall, Add</i>	0.53	
				<i>For Up To 200, Add</i>	1.39	
				<i>For >200 To 500, Add</i>	0.70	
				<i>For 12" On Center, Add</i>	0.96	
				<i>For 24" On Center, Deduct</i>	-0.96	
05 41 00 00-0006	SF			8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.84	0.80
				<i>For Walls >10' High, Add</i>	1.17	
				<i>For Curved Wall, Add</i>	0.55	
				<i>For Up To 200, Add</i>	1.53	
				<i>For >200 To 500, Add</i>	0.77	
				<i>For 12" On Center, Add</i>	1.08	
				<i>For 24" On Center, Deduct</i>	-1.08	

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

05 41 00 00-0008	SF			2-1/2" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.76	0.65
				<i>For Walls >10' High, Add</i>	0.75	
				<i>For Curved Wall, Add</i>	0.48	
				<i>For Up To 200, Add</i>	1.07	
				<i>For >200 To 500, Add</i>	0.54	
				<i>For 12" On Center, Add</i>	0.67	
				<i>For 24" On Center, Deduct</i>	-0.67	
05 41 00 00-0009	SF			3-5/8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.36	0.66
				<i>For Walls >10' High, Add</i>	0.87	
				<i>For Curved Wall, Add</i>	0.51	
				<i>For Up To 200, Add</i>	1.21	
				<i>For >200 To 500, Add</i>	0.61	
				<i>For 12" On Center, Add</i>	0.79	
				<i>For 24" On Center, Deduct</i>	-0.79	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0010 SF 4" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.60	0.66
For Walls >10' High, Add	0.92	
For Curved Wall, Add	0.53	
For Up To 200, Add	1.27	
For >200 To 500, Add	0.64	
For 12" On Center, Add	0.83	
For 24" On Center, Deduct	-0.83	
05 41 00 00-0011 SF 6" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.85	0.80
For Walls >10' High, Add	1.17	
For Curved Wall, Add	0.55	
For Up To 200, Add	1.54	
For >200 To 500, Add	0.77	
For 12" On Center, Add	1.08	
For 24" On Center, Deduct	-1.08	
05 41 00 00-0012 SF 8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	6.46	0.87
For Walls >10' High, Add	1.29	
For Curved Wall, Add	0.58	
For Up To 200, Add	1.68	
For >200 To 500, Add	0.84	
For 12" On Center, Add	1.20	
For 24" On Center, Deduct	-1.20	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Framing (05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.18	0.90
For Walls >10' High, Add	1.04	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.44	
For >200 To 500, Add	0.72	
For 12" On Center, Add	0.94	
For 24" On Center, Deduct	-0.94	
05 41 00 00-0015 SF 4" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.33	0.93
For Walls >10' High, Add	1.07	
For Curved Wall, Add	0.62	
For Up To 200, Add	1.48	
For >200 To 500, Add	0.74	
For 12" On Center, Add	0.96	
For 24" On Center, Deduct	-0.96	
05 41 00 00-0016 SF 6" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	6.72	0.98
For Walls >10' High, Add	1.34	
For Curved Wall, Add	0.65	
For Up To 200, Add	1.78	
For >200 To 500, Add	0.89	
For 12" On Center, Add	1.24	
For 24" On Center, Deduct	-1.24	
05 41 00 00-0017 SF 8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	7.38	1.02
For Walls >10' High, Add	1.48	
For Curved Wall, Add	0.68	
For Up To 200, Add	1.93	
For >200 To 500, Add	0.96	
For 12" On Center, Add	1.36	
For 24" On Center, Deduct	-1.36	
05 42 Cold-Formed Metal Joist Framing (05 40)		
05 42 33 Cold-Formed Metal Joist Framing (05 42)		
05 42 33 00-0001 Steel Joists, 18 Gauge (05 42 33)		
05 42 33 00-0002 LF 5-1/2" - 18 Gauge Steel Joists	8.27	1.74
05 42 33 00-0003 LF 6" - 18 Gauge Steel Joists	9.01	2.18
05 42 33 00-0004 LF 7-1/4" - 18 Gauge Steel Joists	9.79	2.39
05 42 33 00-0005 LF 8" - 18 Gauge Steel Joists	11.19	2.54
05 42 33 00-0006 Steel Joists, 16 Gauge (05 42 33)		
05 42 33 00-0007 LF 7-1/4" - 16 Gauge Steel Joists	10.61	2.41
05 42 33 00-0008 LF 8" - 16 Gauge Steel Joists	11.21	2.54
05 42 33 00-0009 Steel Joists, 14 Gauge (05 42 33)		
05 42 33 00-0010 LF 9-1/4" - 14 Gauge Steel Joists	12.70	2.54
05 42 33 00-0011 LF 11-1/2" - 14 Gauge Steel Joists	13.80	2.68
05 43 Slotted Channel Framing (05 40)		
05 43 00 00-0001 Unistrut Channel (05 43)		
05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.57	1.87
For Powder Coating, Add	0.57	
For Galvanizing, Add	0.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	7.76 0.60 0.68	1.87
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	8.05 0.65 0.73	1.87
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	7.20 0.52 0.59	1.87
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	6.39 0.40 0.45	1.87
05 43 00 00-0008			Stainless Steel Unistrut Channel <small>(05 43 00 00-0001)</small>		
05 43 00 00-0009	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel.....	19.95	1.87
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Stainless Steel Unistrut Channel.....	13.35	1.87
05 43 00 00-0011			Unistrut Closure Strips <small>(05 43)</small>		
05 43 00 00-0012	LF		Raceway Closure Strip For Unistrut Channel	3.71	0.41
05 43 00 00-0013			Lock Nuts With Spring For Unistrut Channel <small>(05 43)</small> Note: Includes hex bolt.		
05 43 00 00-0014	EA		1/4-20 Lock Nut With Spring For Unistrut Channel.....	5.27	
05 43 00 00-0015	EA		3/8-16 Lock Nut With Spring For Unistrut Channel.....	5.67	
05 43 00 00-0016	EA		1/2-13 Lock Nut With Spring For Unistrut Channel.....	5.96	
05 43 00 00-0017	EA		5/8-11 Lock Nut With Spring For Unistrut Channel.....	7.56	
05 43 00 00-0018			Lock Nuts Without Spring For Unistrut Channel <small>(05 43)</small> Note: Includes hex bolt.		
05 43 00 00-0019	EA		1/4-20 Lock Nut Without Spring For Unistrut Channel.....	5.28	
05 43 00 00-0020	EA		3/8-16 Lock Nut Without Spring For Unistrut Channel.....	5.72	
05 43 00 00-0021	EA		1/2-13 Lock Nut Without Spring For Unistrut Channel.....	5.99	
05 43 00 00-0022	EA		5/8-11 Lock Nut Without Spring For Unistrut Channel.....	8.02	
05 43 00 00-0023			Beam Clamp For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0024	EA		Unistrut Beam Clamp, 1-5/8" Channel P2675.....	15.96	6.23
05 43 00 00-0025	EA		Unistrut Beam Clamp, 1-5/8" Channel P2676.....	19.22	6.23
05 43 00 00-0026	EA		Add For Unistrut Swivel Nut, P2676	1.77	
05 43 00 00-0027			Beam Clamp Clevis Hangers <small>(05 43)</small>		
05 43 00 00-0028	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	17.09	6.23
05 43 00 00-0029	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	19.68	6.23
05 43 00 00-0030	EA		Add For Unistrut Swivel Nut.....	1.77	
05 43 00 00-0031	EA		Unistrut Bracket For Shelves.....	44.92	8.31
05 45			Metal Support Assemblies <small>(05 40)</small>		
05 45 16			Electrical Metal Supports <small>(05 45)</small> See CSI section 26 05 29 00-0000 for metal supports.		
05 50			Metal Fabrications <small>(05)</small>		
05 51			Metal Stairs <small>(05 50)</small>		
05 51 13			Metal Pan Stairs <small>(05 51)</small> Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001			Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small> Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR		3'-6" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	536.18 61.02	24.22
05 51 13 00-0003	RSR		4'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	609.97 69.32	28.26
05 51 13 00-0004	RSR		5'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	680.95 77.17	33.11
05 51 13 00-0005	SF		Concrete Filled Steel Pan Landing..... Note: Conventional shape.	71.96	4.04
05 51 19			Metal Grating Stairs <small>(05 51)</small> Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001			Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51	19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	269.12 31.43 51.13	32.30
05 51	19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	288.56 33.43 53.57	37.15
05 51	19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	320.94 36.93 58.43	43.61
05 51	19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape. <i>For Galvanized Steel, Add</i>	51.21 8.77	4.04

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51	33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	75.23 11.21 22.42	9.69
05 51	33 13-0003	VLF	24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	86.58 14.05 28.09	9.69
05 51	33 13-0004	VLF	20" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	181.69 32.56 65.11	16.15
05 51	33 13-0005	VLF	24" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	204.40 38.23 76.47	16.15

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51	33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	199.05 34.62 69.24	30.28
05 51	33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	217.33 38.18 76.37	32.30
05 51	33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	274.74	10.09
05 51	33 13-0010	EA	6' Security Ladder Guard	612.92	60.57
05 51	33 13-0011	EA	8' Security Ladder Guard	731.88	70.66
05 51	33 13-0012	EA	Safety Chain Attachment	109.82	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51	33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,137.64	121.13
05 51	33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,231.63	125.17
05 51	33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,306.96	129.21
05 51	33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,387.26	133.25
05 51	33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,435.20	137.28
05 51	33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,511.76	141.32
05 51	33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,579.61	145.36
05 51	33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,667.39	149.39
05 51	33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,752.66	153.43
05 51	33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,823.01	157.47
05 51	33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,908.29	161.51
05 51	33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,991.09	165.54
05 51	33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,072.63	169.58
05 51	33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,218.93	173.62
05 51	33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,264.38	177.65
05 51	33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,340.94	181.69
05 51	33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,411.29	185.73
05 51	33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,476.64	189.77
05 51	33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,619.22	193.80
05 51	33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,697.02	197.85
05 51	33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,769.85	201.89

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51	33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,610.16	121.13
05 51	33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,785.84	125.17
05 51	33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,076.83	129.21
05 51	33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,221.60	133.25
05 51	33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,343.81	137.28
05 51	33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,505.22	141.32



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0043	EA			13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,793.82	145.36
05 51 33 13-0044	EA			14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,940.98	149.39
05 51 33 13-0045	EA			15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,092.89	153.43
05 51 33 13-0046	EA			16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,259.06	157.47
05 51 33 13-0047	EA			17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,553.61	161.51
05 51 33 13-0048	EA			18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,701.96	165.54
05 51 33 13-0049	EA			19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,843.16	169.58
05 51 33 13-0050	EA			20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,075.90	173.62
05 51 33 13-0051	EA			21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,337.18	177.65
05 51 33 13-0052	EA			22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,483.14	181.69
05 51 33 13-0053	EA			23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,632.68	185.73
05 51 33 13-0054	EA			24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,772.69	189.77
05 51 33 13-0055	EA			25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,129.07	193.80
05 51 33 13-0056	EA			26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,269.08	197.85
05 51 33 13-0057	EA			27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,412.66	201.89

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)
 Note: Includes factory prime.

05 51 33 16-0002	RSR	3'	Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....		203.16	40.38
			For Aluminum, Add		61.21	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002	EA	4'	Vertical Height Aluminum Alternating Tread Ladder		1,319.20	121.13
			For Stainless Steel, Add		196.80	
			For Primed Steel, Deduct		-191.42	
05 51 33 23-0003	EA	5'	Vertical Height Aluminum Alternating Tread Ladder		1,501.51	128.39
			For Stainless Steel, Add		240.90	
			For Primed Steel, Deduct		-223.30	
05 51 33 23-0004	EA	6'	Vertical Height Aluminum Alternating Tread Ladder		1,653.05	128.39
			For Stainless Steel, Add		288.67	
			For Primed Steel, Deduct		-241.55	
05 51 33 23-0005	EA	7'	Vertical Height Aluminum Alternating Tread Ladder		1,900.89	161.34
			For Stainless Steel, Add		347.24	
			For Primed Steel, Deduct		-256.61	
05 51 33 23-0006	EA	8'	Vertical Height Aluminum Alternating Tread Ladder		2,077.33	167.07
			For Stainless Steel, Add		388.99	
			For Primed Steel, Deduct		-298.53	
05 51 33 23-0007	EA	9'	Vertical Height Aluminum Alternating Tread Ladder		2,211.23	167.07
			For Stainless Steel, Add		453.51	
			For Primed Steel, Deduct		-293.53	
05 51 33 23-0008	EA	10'	Vertical Height Aluminum Alternating Tread Ladder		2,431.10	186.36
			For Stainless Steel, Add		497.40	
			For Primed Steel, Deduct		-327.55	
05 51 33 23-0009	EA	11'	Vertical Height Aluminum Alternating Tread Ladder		2,581.12	186.36
			For Stainless Steel, Add		546.61	
			For Primed Steel, Deduct		-347.07	
05 51 33 23-0010	EA	12'	Vertical Height Aluminum Alternating Tread Ladder		2,697.85	186.36
			For Stainless Steel, Add		623.99	
			For Primed Steel, Deduct		-346.65	

05 52 Metal Railings (05 50)

05 52 13 Pipe And Tube Railings (05 52)

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Single Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)

Note: Includes standards and one rail factory primed.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0003	LF	1" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	30.11	8.07
			<i>For Schedule 80 Handrail, Add</i>	2.48	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
			<i>For Aluminum, Satin Finish, Add</i>	5.86	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	9.07	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	10.47	
			<i>For Galvanizing, Add</i>	5.58	
			<i>For Wrought Iron, Add</i>	3.01	
			<i>For Solid Steel Rails, Add</i>	6.02	
			<i>For 304 Stainless Steel, Add</i>	44.67	
			<i>For 316 Stainless Steel, Add</i>	50.26	
			<i>For 2" Wheel Guard, Add</i>	1.33	
			<i>For 4" High Kick Plate, Add</i>	1.75	
			<i>For 6" High Kick Plate, Add</i>	2.79	
			<i>For Curved Rail, Add</i>	13.22	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	3.82	
			<i>For Mounting On Slopes, Add</i>	1.62	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	11.02	
			<i>For Nylon Coating, Add</i>	2.09	
05 52	13 00-0004	LF	1-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	34.93	8.07
			<i>For Schedule 80 Handrail, Add</i>	3.50	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
			<i>For Aluminum, Satin Finish, Add</i>	7.89	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	12.21	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	14.09	
			<i>For Galvanizing, Add</i>	7.51	
			<i>For Wrought Iron, Add</i>	3.49	
			<i>For Solid Steel Rails, Add</i>	6.99	
			<i>For 304 Stainless Steel, Add</i>	60.10	
			<i>For 316 Stainless Steel, Add</i>	67.61	
			<i>For 2" Wheel Guard, Add</i>	1.78	
			<i>For 4" High Kick Plate, Add</i>	2.35	
			<i>For 6" High Kick Plate, Add</i>	3.76	
			<i>For Curved Rail, Add</i>	16.11	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	4.30	
			<i>For Mounting On Slopes, Add</i>	1.62	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	13.43	
			<i>For Nylon Coating, Add</i>	2.82	
05 52	13 00-0005	LF	2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	39.10	8.07
			<i>For Schedule 80 Handrail, Add</i>	3.91	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
			<i>For Aluminum, Satin Finish, Add</i>	9.64	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	14.92	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.21	
			<i>For Galvanizing, Add</i>	9.18	
			<i>For Wrought Iron, Add</i>	3.91	
			<i>For Solid Steel Rails, Add</i>	7.82	
			<i>For 304 Stainless Steel, Add</i>	73.44	
			<i>For 316 Stainless Steel, Add</i>	82.62	
			<i>For 2" Wheel Guard, Add</i>	2.18	
			<i>For 4" High Kick Plate, Add</i>	2.87	
			<i>For 6" High Kick Plate, Add</i>	4.59	
			<i>For Curved Rail, Add</i>	18.62	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	4.72	
			<i>For Mounting On Slopes, Add</i>	1.62	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	15.51	
			<i>For Nylon Coating, Add</i>	3.44	
05 52	13 00-0006	LF	2-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	44.10	8.07
			<i>For Schedule 80 Handrail, Add</i>	4.32	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
			<i>For Aluminum, Satin Finish, Add</i>	11.74	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.17	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	20.96	
			<i>For Galvanizing, Add</i>	11.18	
			<i>For Wrought Iron, Add</i>	4.41	
			<i>For Solid Steel Rails, Add</i>	8.82	
			<i>For 304 Stainless Steel, Add</i>	89.44	
			<i>For 316 Stainless Steel, Add</i>	100.62	
			<i>For 2" Wheel Guard, Add</i>	2.66	
			<i>For 4" High Kick Plate, Add</i>	3.49	
			<i>For 6" High Kick Plate, Add</i>	5.59	
			<i>For Curved Rail, Add</i>	21.62	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	5.22	
			<i>For Mounting On Slopes, Add</i>	1.62	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.01	
			<i>For Nylon Coating, Add</i>	4.19	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007 Two Rail Welded Steel Pipe Railing, Up To 42" High <small>(05 52 13 00-0001)</small>		
<i>Note: Includes standards and two rails factory primed.</i>		
05 52 13 00-0008 LF 1" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	32.58	8.07
<i>For Schedule 80 Handrail, Add</i>	2.48	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
<i>For Aluminum, Satin Finish, Add</i>	6.90	
<i>For Aluminum, Clear Anodized Finish, Add</i>	10.68	
<i>For Aluminum, Dark Anodized Finish, Add</i>	12.32	
<i>For Galvanizing, Add</i>	6.57	
<i>For Wrought Iron, Add</i>	3.26	
<i>For Solid Steel Rails, Add</i>	6.52	
<i>For 304 Stainless Steel, Add</i>	52.58	
<i>For 316 Stainless Steel, Add</i>	59.15	
<i>For 2" Wheel Guard, Add</i>	1.56	
<i>For 4" High Kick Plate, Add</i>	2.05	
<i>For 6" High Kick Plate, Add</i>	3.29	
<i>For Curved Rail, Add</i>	14.70	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	4.07	
<i>For Mounting On Slopes, Add</i>	1.62	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	12.25	
<i>For Nylon Coating, Add</i>	2.46	
05 52 13 00-0009 LF 1-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	38.24	8.07
<i>For Schedule 80 Handrail, Add</i>	3.50	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
<i>For Aluminum, Satin Finish, Add</i>	9.28	
<i>For Aluminum, Clear Anodized Finish, Add</i>	14.36	
<i>For Aluminum, Dark Anodized Finish, Add</i>	16.57	
<i>For Galvanizing, Add</i>	8.84	
<i>For Wrought Iron, Add</i>	3.82	
<i>For Solid Steel Rails, Add</i>	7.65	
<i>For 304 Stainless Steel, Add</i>	70.69	
<i>For 316 Stainless Steel, Add</i>	79.52	
<i>For 2" Wheel Guard, Add</i>	2.10	
<i>For 4" High Kick Plate, Add</i>	2.76	
<i>For 6" High Kick Plate, Add</i>	4.42	
<i>For Curved Rail, Add</i>	18.10	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	4.63	
<i>For Mounting On Slopes, Add</i>	1.62	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	15.08	
<i>For Nylon Coating, Add</i>	3.31	
05 52 13 00-0010 LF 2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	43.15	8.07
<i>For Schedule 80 Handrail, Add</i>	3.91	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
<i>For Aluminum, Satin Finish, Add</i>	11.34	
<i>For Aluminum, Clear Anodized Finish, Add</i>	17.55	
<i>For Aluminum, Dark Anodized Finish, Add</i>	20.25	
<i>For Galvanizing, Add</i>	10.80	
<i>For Wrought Iron, Add</i>	4.32	
<i>For Solid Steel Rails, Add</i>	8.63	
<i>For 304 Stainless Steel, Add</i>	86.40	
<i>For 316 Stainless Steel, Add</i>	97.20	
<i>For 2" Wheel Guard, Add</i>	2.57	
<i>For 4" High Kick Plate, Add</i>	3.38	
<i>For 6" High Kick Plate, Add</i>	5.40	
<i>For Curved Rail, Add</i>	21.05	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	5.12	
<i>For Mounting On Slopes, Add</i>	1.62	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	17.54	
<i>For Nylon Coating, Add</i>	4.05	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0011	LF	2-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	49.03	8.07
			<i>For Schedule 80 Handrail, Add</i>	4.32	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.72	
			<i>For Aluminum, Satin Finish, Add</i>	13.81	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.37	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	24.66	
			<i>For Galvanizing, Add</i>	13.15	
			<i>For Wrought Iron, Add</i>	4.90	
			<i>For Solid Steel Rails, Add</i>	9.81	
			<i>For 304 Stainless Steel, Add</i>	105.22	
			<i>For 316 Stainless Steel, Add</i>	118.37	
			<i>For 2" Wheel Guard, Add</i>	3.12	
			<i>For 4" High Kick Plate, Add</i>	4.11	
			<i>For 6" High Kick Plate, Add</i>	6.58	
			<i>For Curved Rail, Add</i>	24.57	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	5.71	
			<i>For Mounting On Slopes, Add</i>	1.62	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.12	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.92	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.48	
			<i>For Nylon Coating, Add</i>	4.93	
05 52	13 00-0012		Three Rail Welded Steel Pipe Railing, Up To 42" High <small>(05 52 13 00-0001)</small>		
			Note: Includes standards and three rails factory primed.		
05 52	13 00-0013	LF	1" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	42.86	9.69
			<i>For Schedule 80 Handrail, Add</i>	3.73	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.37	
			<i>For Aluminum, Satin Finish, Add</i>	9.86	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.26	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.61	
			<i>For Galvanizing, Add</i>	9.39	
			<i>For Wrought Iron, Add</i>	4.29	
			<i>For Solid Steel Rails, Add</i>	8.57	
			<i>For 304 Stainless Steel, Add</i>	75.14	
			<i>For 316 Stainless Steel, Add</i>	84.53	
			<i>For 2" Wheel Guard, Add</i>	2.23	
			<i>For 4" High Kick Plate, Add</i>	2.94	
			<i>For 6" High Kick Plate, Add</i>	4.70	
			<i>For Curved Rail, Add</i>	19.90	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	5.26	
			<i>For Mounting On Slopes, Add</i>	1.94	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.44	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.41	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.59	
			<i>For Nylon Coating, Add</i>	3.52	
05 52	13 00-0014	LF	1-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	50.95	9.69
			<i>For Schedule 80 Handrail, Add</i>	5.08	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.37	
			<i>For Aluminum, Satin Finish, Add</i>	13.26	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.52	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.68	
			<i>For Galvanizing, Add</i>	12.63	
			<i>For Wrought Iron, Add</i>	5.10	
			<i>For Solid Steel Rails, Add</i>	10.19	
			<i>For 304 Stainless Steel, Add</i>	101.02	
			<i>For 316 Stainless Steel, Add</i>	113.65	
			<i>For 2" Wheel Guard, Add</i>	3.00	
			<i>For 4" High Kick Plate, Add</i>	3.95	
			<i>For 6" High Kick Plate, Add</i>	6.31	
			<i>For Curved Rail, Add</i>	24.76	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.06	
			<i>For Mounting On Slopes, Add</i>	1.94	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.44	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.41	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.63	
			<i>For Nylon Coating, Add</i>	4.74	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015 LF 2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	57.98	9.69
For Schedule 80 Handrail, Add	5.63	
For Additional Off Set Handrail, ADA Attachment, Add	12.37	
For Aluminum, Satin Finish, Add	16.21	
For Aluminum, Clear Anodized Finish, Add	25.09	
For Aluminum, Dark Anodized Finish, Add	28.95	
For Galvanizing, Add	15.44	
For Wrought Iron, Add	5.80	
For Solid Steel Rails, Add	11.60	
For 304 Stainless Steel, Add	123.52	
For 316 Stainless Steel, Add	138.96	
For 2" Wheel Guard, Add	3.67	
For 4" High Kick Plate, Add	4.83	
For 6" High Kick Plate, Add	7.72	
For Curved Rail, Add	28.97	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.77	
For Mounting On Slopes, Add	1.94	
For Post Base Flange With Screws, Add Per Post	19.44	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.41	
For Custom Design Or Shapes (Square Tops, etc), Add	24.15	
For Nylon Coating, Add	5.79	
05 52 13 00-0016 LF 2-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	66.35	9.69
For Schedule 80 Handrail, Add	6.18	
For Additional Off Set Handrail, ADA Attachment, Add	12.37	
For Aluminum, Satin Finish, Add	19.73	
For Aluminum, Clear Anodized Finish, Add	30.53	
For Aluminum, Dark Anodized Finish, Add	35.23	
For Galvanizing, Add	18.79	
For Wrought Iron, Add	6.64	
For Solid Steel Rails, Add	13.27	
For 304 Stainless Steel, Add	150.30	
For 316 Stainless Steel, Add	169.09	
For 2" Wheel Guard, Add	4.46	
For 4" High Kick Plate, Add	5.87	
For 6" High Kick Plate, Add	9.39	
For Curved Rail, Add	34.00	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	7.60	
For Mounting On Slopes, Add	1.94	
For Post Base Flange With Screws, Add Per Post	19.44	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.41	
For Custom Design Or Shapes (Square Tops, etc), Add	28.33	
For Nylon Coating, Add	7.05	
05 52 13 00-0017 Four Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)		
Note: Includes standards and four rails factory primed.		
05 52 13 00-0018 LF 1" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	51.43	11.31
For Schedule 80 Handrail, Add	5.18	
For Additional Off Set Handrail, ADA Attachment, Add	13.01	
For Aluminum, Satin Finish, Add	12.10	
For Aluminum, Clear Anodized Finish, Add	18.73	
For Aluminum, Dark Anodized Finish, Add	21.62	
For Galvanizing, Add	11.53	
For Wrought Iron, Add	5.14	
For Solid Steel Rails, Add	10.29	
For 304 Stainless Steel, Add	92.22	
For 316 Stainless Steel, Add	103.75	
For 2" Wheel Guard, Add	2.74	
For 4" High Kick Plate, Add	3.60	
For 6" High Kick Plate, Add	5.76	
For Curved Rail, Add	24.08	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.27	
For Mounting On Slopes, Add	2.26	
For Post Base Flange With Screws, Add Per Post	19.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.89	
For Custom Design Or Shapes (Square Tops, etc), Add	20.06	
For Nylon Coating, Add	4.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF		1-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	58.61	11.31
			<i>For Schedule 80 Handrail, Add</i>	6.87	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.01	
			<i>For Aluminum, Satin Finish, Add</i>	15.12	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.40	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.00	
			<i>For Galvanizing, Add</i>	14.40	
			<i>For Wrought Iron, Add</i>	5.86	
			<i>For Solid Steel Rails, Add</i>	11.72	
			<i>For 304 Stainless Steel, Add</i>	115.20	
			<i>For 316 Stainless Steel, Add</i>	129.60	
			<i>For 2" Wheel Guard, Add</i>	3.42	
			<i>For 4" High Kick Plate, Add</i>	4.50	
			<i>For 6" High Kick Plate, Add</i>	7.20	
			<i>For Curved Rail, Add</i>	28.38	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.99	
			<i>For Mounting On Slopes, Add</i>	2.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.89	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	23.65	
			<i>For Nylon Coating, Add</i>	5.40	
05 52 13 00-0020	LF		2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	66.61	11.31
			<i>For Schedule 80 Handrail, Add</i>	7.55	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.01	
			<i>For Aluminum, Satin Finish, Add</i>	18.48	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	28.60	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	33.00	
			<i>For Galvanizing, Add</i>	17.60	
			<i>For Wrought Iron, Add</i>	6.66	
			<i>For Solid Steel Rails, Add</i>	13.32	
			<i>For 304 Stainless Steel, Add</i>	140.80	
			<i>For 316 Stainless Steel, Add</i>	158.40	
			<i>For 2" Wheel Guard, Add</i>	4.18	
			<i>For 4" High Kick Plate, Add</i>	5.50	
			<i>For 6" High Kick Plate, Add</i>	8.80	
			<i>For Curved Rail, Add</i>	33.18	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	7.79	
			<i>For Mounting On Slopes, Add</i>	2.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.89	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	27.65	
			<i>For Nylon Coating, Add</i>	6.60	
05 52 13 00-0021	LF		2-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	75.98	11.31
			<i>For Schedule 80 Handrail, Add</i>	8.25	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.01	
			<i>For Aluminum, Satin Finish, Add</i>	22.42	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	34.69	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	40.03	
			<i>For Galvanizing, Add</i>	21.35	
			<i>For Wrought Iron, Add</i>	7.60	
			<i>For Solid Steel Rails, Add</i>	15.20	
			<i>For 304 Stainless Steel, Add</i>	170.78	
			<i>For 316 Stainless Steel, Add</i>	192.13	
			<i>For 2" Wheel Guard, Add</i>	5.07	
			<i>For 4" High Kick Plate, Add</i>	6.67	
			<i>For 6" High Kick Plate, Add</i>	10.67	
			<i>For Curved Rail, Add</i>	38.81	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	8.73	
			<i>For Mounting On Slopes, Add</i>	2.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.89	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.34	
			<i>For Nylon Coating, Add</i>	8.01	
05 52 13 00-0022			Welded Steel Wall Rail With Brackets <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0023	LF		1" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	24.69	4.84
			<i>For Schedule 80 Handrail, Add</i>	1.57	
			<i>For Stainless Steel, Add</i>	25.16	
			<i>For Aluminum, Satin Finish, Add</i>	5.28	
			<i>For Curved Rail, Add</i>	7.41	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	8.18	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	9.44	
			<i>For Galvanized Finish, Add</i>	3.77	
05 52 13 00-0024	LF		1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	25.09	4.84
			<i>For Schedule 80 Handrail, Add</i>	1.73	
			<i>For Stainless Steel, Add</i>	25.96	
			<i>For Aluminum, Satin Finish, Add</i>	5.45	
			<i>For Curved Rail, Add</i>	7.53	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	8.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	9.74	
			<i>For Galvanized Finish, Add</i>	3.89	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025 LF 1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	25.50	4.84
For Schedule 80 Handrail, Add	3.99	
For Stainless Steel, Add	26.78	
For Aluminum, Satin Finish, Add	5.62	
For Curved Rail, Add	7.65	
For Aluminum, Clear Anodized Finish, Add	8.70	
For Aluminum, Dark Anodized Finish, Add	10.04	
For Galvanized Finish, Add	4.02	
05 52 13 00-0026 LF 2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	30.16	4.84
For Schedule 80 Handrail, Add	2.04	
For Stainless Steel, Add	36.10	
For Aluminum, Satin Finish, Add	7.58	
For Curved Rail, Add	9.05	
For Aluminum, Clear Anodized Finish, Add	11.73	
For Aluminum, Dark Anodized Finish, Add	13.54	
For Galvanized Finish, Add	5.42	
05 52 13 00-0027 LF 2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	34.02	4.84
For Schedule 80 Handrail, Add	2.18	
For Stainless Steel, Add	43.82	
For Aluminum, Satin Finish, Add	9.20	
For Curved Rail, Add	10.21	
For Aluminum, Clear Anodized Finish, Add	14.24	
For Aluminum, Dark Anodized Finish, Add	16.43	
For Galvanized Finish, Add	6.57	
05 52 13 00-0028 Welded Steel Wall Rail With Brackets, Custom Shapes <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0029 LF 1" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	29.45	5.09
For Schedule 80 Handrail, Add	1.57	
For Stainless Steel, Add	34.68	
For Aluminum, Satin Finish, Add	7.28	
For Curved Rail, Add	8.84	
For Aluminum, Clear Anodized Finish, Add	11.27	
For Aluminum, Dark Anodized Finish, Add	13.01	
For Galvanized Finish, Add	5.20	
05 52 13 00-0030 LF 1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	30.02	5.09
For Schedule 80 Handrail, Add	1.73	
For Stainless Steel, Add	35.82	
For Aluminum, Satin Finish, Add	7.52	
For Curved Rail, Add	9.01	
For Aluminum, Clear Anodized Finish, Add	11.64	
For Aluminum, Dark Anodized Finish, Add	13.43	
For Galvanized Finish, Add	5.37	
05 52 13 00-0031 LF 1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	30.45	5.09
For Schedule 80 Handrail, Add	3.99	
For Stainless Steel, Add	36.68	
For Aluminum, Satin Finish, Add	7.70	
For Curved Rail, Add	9.14	
For Aluminum, Clear Anodized Finish, Add	11.92	
For Aluminum, Dark Anodized Finish, Add	13.76	
For Galvanized Finish, Add	5.50	
05 52 13 00-0032 LF 2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	36.96	5.09
For Schedule 80 Handrail, Add	2.04	
For Stainless Steel, Add	49.70	
For Aluminum, Satin Finish, Add	10.44	
For Curved Rail, Add	11.09	
For Aluminum, Clear Anodized Finish, Add	16.15	
For Aluminum, Dark Anodized Finish, Add	18.64	
For Galvanized Finish, Add	7.46	
05 52 13 00-0033 LF 2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	41.22	5.09
For Schedule 80 Handrail, Add	2.18	
For Stainless Steel, Add	58.22	
For Aluminum, Satin Finish, Add	12.23	
For Curved Rail, Add	12.37	
For Aluminum, Clear Anodized Finish, Add	18.92	
For Aluminum, Dark Anodized Finish, Add	21.83	
For Galvanized Finish, Add	8.73	
05 52 13 00-0034 Remove/Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0035 LF Remove And Reinstall Railing, Wall Mounted, Including Brackets	18.17	
05 52 13 00-0036 LF Remove And Reinstall Railing, Floor Mounted Railing	23.72	
05 52 13 00-0037 EA Install New Railing Bracket	49.70	
For Stainless Steel, Add	50.96	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating.....	7.49	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	0.97	
			For 304 Stainless Steel, Add	18.36	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	1.67	
			For Crossbars At 2" O.C., Add	0.62	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.33	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	9.86	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.38	
			For 304 Stainless Steel, Add	25.97	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.36	
			For Crossbars At 2" O.C., Add	0.87	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.39	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	9.01	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.23	
			For 304 Stainless Steel, Add	23.24	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.11	
			For Crossbars At 2" O.C., Add	0.78	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.37	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	12.23	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.78	
			For 304 Stainless Steel, Add	33.58	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.05	
			For Crossbars At 2" O.C., Add	1.13	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.45	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	15.45	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	43.91	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.99	
			For Crossbars At 2" O.C., Add	1.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating	10.55	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.49	
			For 304 Stainless Steel, Add	28.18	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.56	
			For Crossbars At 2" O.C., Add	0.95	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.41	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating	14.46	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.16	
			For 304 Stainless Steel, Add	40.73	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.71	
			For Crossbars At 2" O.C., Add	1.37	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.50	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating	12.09	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.75	
			For 304 Stainless Steel, Add	33.13	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.01	
			For Crossbars At 2" O.C., Add	1.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.44	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating	17.23	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.56	
			For 304 Stainless Steel, Add	48.31	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	4.39	
			For Crossbars At 2" O.C., Add	1.63	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.84	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.12 0.22 3.39 64.01 5.82 2.15 0.16 -1.96	1.09
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	19.61 0.22 2.96 55.95 5.09 1.88 0.16 -1.90	1.09
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	21.85 0.22 3.34 63.14 5.74 2.12 0.16 -1.95	1.09
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	24.22 0.22 3.75 70.75 6.44 2.38 0.16 -2.01	1.09
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	26.45 0.22 4.13 77.91 7.09 2.62 0.16 -2.07	1.09
05 53 13 00-0017			Pressure Locked Grating ^(05 53 13) Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating ^(05 53 13 00-0017) Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	13.70 0.22 1.96 22.32 3.48 1.29 -1.48	0.89
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	16.75 0.22 2.46 28.03 4.37 1.62 -1.56	0.89
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	15.01 0.22 2.17 24.77 3.87 1.43 0.16 -1.52	0.89

05	Metals
05 50	Metal Fabrications
05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	20.24	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	34.56	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	26.78	
For Bearing Bars At 15/16" O.C., Add	5.39	
For Crossbars At 2" O.C., Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.75	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.66	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	39.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.10	
For Crossbars At 2" O.C., Add	2.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.71	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.58	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	31.45	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.91	
For Crossbars At 2" O.C., Add	1.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.61	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.61	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	43.84	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	33.97	
For Bearing Bars At 15/16" O.C., Add	6.84	
For Crossbars At 2" O.C., Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.16	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	48.61	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.59	
For Crossbars At 2" O.C., Add	2.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	30.24	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.60	
For 304 Stainless Steel, Add	52.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.19	
For Crossbars At 2" O.C., Add	3.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.16	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.24	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.93	
For 304 Stainless Steel, Add	56.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.78	
For Crossbars At 2" O.C., Add	3.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	33.97	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	59.48	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.28	
For Crossbars At 2" O.C., Add	3.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating	10.02	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	2.41	
<i>For Crossbars At 2" O.C., Add</i>	0.89	
<i>For Set In Place Without Bolting, Deduct</i>	-1.39	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating	13.40	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	3.40	
<i>For Crossbars At 2" O.C., Add</i>	1.26	
<i>For Set In Place Without Bolting, Deduct</i>	-1.48	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating	12.67	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	3.18	
<i>For Crossbars At 2" O.C., Add</i>	1.18	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.46	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating	17.05	0.89
<i>For Bearing Bars At 7/16" O.C., Add</i>	22.16	
<i>For Bearing Bars At 15/16" O.C., Add</i>	4.46	
<i>For Crossbars At 2" O.C., Add</i>	1.65	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.57	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.60	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	3.75	
<i>For Crossbars At 2" O.C., Add</i>	1.39	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.51	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.37	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	5.14	
<i>For Crossbars At 2" O.C., Add</i>	1.90	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.63	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.41	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	4.27	
<i>For Crossbars At 2" O.C., Add</i>	1.58	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.55	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.76	0.89
<i>For Bearing Bars At 7/16" O.C., Add</i>	28.99	
<i>For Bearing Bars At 15/16" O.C., Add</i>	5.84	
<i>For Crossbars At 2" O.C., Add</i>	2.16	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.69	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.05	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	6.51	
<i>For Crossbars At 2" O.C., Add</i>	2.41	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.74	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating	26.76	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	7.30	
<i>For Crossbars At 2" O.C., Add</i>	2.70	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.81	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.89	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	7.92	
<i>For Crossbars At 2" O.C., Add</i>	2.93	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.86	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.42	0.89
<i>For Bearing Bars At 15/16" O.C., Add</i>	8.66	
<i>For Crossbars At 2" O.C., Add</i>	3.20	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting, Deduct</i>	-1.93	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
<small>Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.</small>		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
<small>Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.</small>		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating	22.10	0.89
<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
<i>For Galvanized Steel, Add</i>	1.87	
<i>For 304 Stainless Steel, Add</i>	33.71	
<small>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</small>		
<i>For Bearing Bars At 15/16" O.C., Add</i>	13.01	
<i>For Crossbars At 2" O.C., Add</i>	1.63	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	24.60	0.89
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.10	
			For 304 Stainless Steel, Add	37.85	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	14.61	
			For Crossbars At 2" O.C., Add	1.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.76	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	26.98	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.28	
			For 304 Stainless Steel, Add	41.12	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	15.87	
			For Crossbars At 2" O.C., Add	1.98	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.08	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	30.82	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.63	
			For 304 Stainless Steel, Add	47.49	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	18.33	
			For Crossbars At 2" O.C., Add	2.29	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	34.68	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.99	
			For 304 Stainless Steel, Add	53.89	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	20.80	
			For Crossbars At 2" O.C., Add	2.60	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.27	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	38.52	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.34	
			For 304 Stainless Steel, Add	60.25	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	23.26	
			For Crossbars At 2" O.C., Add	2.91	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.37	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	42.38	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.70	
			For 304 Stainless Steel, Add	66.65	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	25.73	
			For Crossbars At 2" O.C., Add	3.22	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	11.74	0.89
			For Bearing Bars At 15/16" O.C., Add	6.38	
			For Crossbars At 2" O.C., Add	0.80	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.44	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	15.08	0.89
			For Bearing Bars At 15/16" O.C., Add	8.52	
			For Crossbars At 2" O.C., Add	1.06	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.52	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	13.24	0.89
			For Bearing Bars At 15/16" O.C., Add	7.34	
			For Crossbars At 2" O.C., Add	0.92	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.47	
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating.....	17.32	0.89
			For Bearing Bars At 15/16" O.C., Add	9.95	
			For Crossbars At 2" O.C., Add	1.24	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.57	
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating.....	15.02	0.89
			For Bearing Bars At 15/16" O.C., Add	8.48	
			For Crossbars At 2" O.C., Add	1.06	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.52	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	19.73	0.89
For Bearing Bars At 15/16" O.C., Add	11.49	
For Crossbars At 2" O.C., Add	1.44	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.63	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	22.50	0.89
For Bearing Bars At 15/16" O.C., Add	13.27	
For Crossbars At 2" O.C., Add	1.66	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.70	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	25.26	0.89
For Bearing Bars At 15/16" O.C., Add	15.03	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.77	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	28.03	0.89
For Bearing Bars At 15/16" O.C., Add	16.81	
For Crossbars At 2" O.C., Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.84	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.78	0.89
For Bearing Bars At 15/16" O.C., Add	18.57	
For Crossbars At 2" O.C., Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.91	
05 53 13 00-0064 Riveted Grating <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065 Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.53	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.91	
For 304 Stainless Steel, Add	34.15	
For 5/8" Clear Opening, Add	13.72	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.81	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	40.41	
For 5/8" Clear Opening, Add	16.23	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.36	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	44.88	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	37.03	
For 5/8" Clear Opening, Add	14.87	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.58	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.79	
For 5/8" Clear Opening, Add	17.18	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.43	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.66	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	39.42	
For 5/8" Clear Opening, Add	15.83	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.75	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	47.23	
For 5/8" Clear Opening, Add	18.97	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.56	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.74	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	41.71	
For 5/8" Clear Opening, Add	16.75	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.46	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.80	
For 304 Stainless Steel, Add	50.06	
For 5/8" Clear Opening, Add	20.11	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.92	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.42	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	54.32	
For 5/8" Clear Opening, Add	21.82	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.04	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.49	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.57	
For 304 Stainless Steel, Add	63.83	
For 5/8" Clear Opening, Add	25.64	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.32	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.34	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	67.14	
For 5/8" Clear Opening, Add	26.97	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.41	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.78	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.92	
For 304 Stainless Steel, Add	70.09	
For 5/8" Clear Opening, Add	28.15	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.50	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.54	0.89
For 5/8" Clear Opening, Add	7.86	
For Set On Place Without Bolting, Deduct	-1.76	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.05	0.89
For 5/8" Clear Opening, Add	9.41	
For Set On Place Without Bolting, Deduct	-1.87	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	26.95	0.89
For 5/8" Clear Opening, Add	8.69	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.82	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.35	0.89
For 5/8" Clear Opening, Add	10.21	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.93	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.17	0.89
For 5/8" Clear Opening, Add	9.80	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.90	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.28	0.89
For 5/8" Clear Opening, Add	11.91	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.05	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.37	0.89
For 5/8" Clear Opening, Add	10.56	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.95	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.13	0.89
For 5/8" Clear Opening, Add	13.23	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.14	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.19	0.89
For 5/8" Clear Opening, Add	14.63	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.25	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.55	0.89
For 5/8" Clear Opening, Add	17.52	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.46	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.28	0.89
For 5/8" Clear Opening, Add	19.15	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.57	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.64	0.89
For 5/8" Clear Opening, Add	21.35	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.73	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 16 Plank Gratings (05 53)		
05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)		
Note: Smooth or traction grip surface.		
05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.03	0.69
For Stair Tread Application, Add	1.11	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.73	0.84
For Stair Tread Application, Add	1.23	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.27	0.93
For Stair Tread Application, Add	1.30	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.22	1.01
For Stair Tread Application, Add	1.43	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	10.95	0.76
For Stair Tread Application, Add	1.32	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	11.72	0.93
For Stair Tread Application, Add	1.45	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	13.40	0.89
For Stair Tread Application, Add	1.61	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	14.37	1.09
For Stair Tread Application, Add	1.76	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	15.53	1.37
For Stair Tread Application, Add	1.97	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	17.15	1.53
For Stair Tread Application, Add	2.18	
05 54 Metal Floor Plates (05 54)		
05 54 00 00-0001 Steel Floor Plates (05 54)		
05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.68	1.05
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.14	1.05
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.08	1.05
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.11	1.13
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.38	1.22
05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)		
05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.16	0.89
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.40	1.05
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	19.64	1.13
05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)		
05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.39	1.22
For 316 Stainless Steel, Add	7.38	
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.54	1.37
For 316 Stainless Steel, Add	8.86	
05 54 00 00-0014 SF 1/4" Type 304 Stainless Steel Raised Or Diamond Pattern Steel Floor Plate.....	40.85	1.62
For 316 Stainless Steel, Add	11.57	
05 55 Metal Stair Treads And Nosings (05 55)		
05 55 13 Metal Stair Treads (05 55)		
05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	36.76	4.16
For 3/8" Thick, Add	7.53	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	40.32	4.16
For 3/8" Thick, Add	8.42	
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	43.87	4.16
For 3/8" Thick, Add	9.30	
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	47.44	4.16
For 3/8" Thick, Add	10.20	
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	50.98	4.16
For 3/8" Thick, Add	11.08	
05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	50.57	4.16
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	55.84	4.16
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	61.13	4.16
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	66.40	4.16
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	71.69	4.16
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	20.10	4.16
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	23.33	4.16
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	24.75	4.16
05 55 13 00-0017			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <small>(05 55 13)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	29.01	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
			<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	29.28	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
			<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	35.08	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
			<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	40.16	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
			<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	46.79	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
			<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0023			Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024			Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	50.98	4.16
			<i>For 3/8" Thick, Add</i>	11.08	
05 55 13 00-0026			Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	71.69	4.16
05 55 13 00-0028			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads.....	47.38	4.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
05 55 13 00-0030			Open Cast Iron Stair Tread <small>(05 55 13)</small>		
			Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread.....	369.64	32.30
			<i>For Closed Riser, Add</i>	31.47	
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread.....	417.73	37.15
			<i>For Closed Riser, Add</i>	35.45	
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread.....	461.87	43.61
			<i>For Closed Riser, Add</i>	39.14	
05 55 16 Metal Stair Nosings <small>(05 55)</small>					
05 55 16 00-0001			Abrasive Cast Aluminum Nosings <small>(05 55 16)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	15.91	2.84
			<i>For 3/8" Thick, Add</i>	2.84	
05 55 16 00-0003	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	19.35	2.84
			<i>For 3/8" Thick, Add</i>	3.70	
05 55 16 00-0004	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	27.01	2.84
			<i>For 3/8" Thick, Add</i>	5.62	
05 55 16 00-0005			Abrasive Cast Iron Nosings <small>(05 55 16)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	18.42	2.84
			<i>For 3/8" Thick, Add</i>	3.47	
05 55 16 00-0007	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	22.65	2.84
			<i>For 3/8" Thick, Add</i>	4.53	
05 55 16 00-0008	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	31.02	2.84
			<i>For 3/8" Thick, Add</i>	6.62	
05 55 16 00-0009			Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF		1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	13.58	2.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.23	2.84
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.50	2.84
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	20.43	2.84
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.03	2.84
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.44	2.84
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.84	2.84
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.99	2.84
 05 56 Metal Castings <small>(05 50)</small>		
05 56 00 00-0001 Castings <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section	3.02	0.40
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	4.94	0.32
 05 58 Formed Metal Fabrications <small>(05 50)</small>		
05 58 16 Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001 Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan	39.52	4.23
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	32.84	4.23
05 58 16 00-0004 SF Aluminum Drip Pan.....	15.14	3.38
05 58 16 00-0005 SF Plastic Drip Pan	11.07	2.96
 05 58 23 Formed Metal Guards <small>(05 58)</small>		
05 58 23 00-0001 Protective Guard Rails <small>(05 58 23)</small>		
Note: Includes painted finish.		
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>		
Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small>		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	105.69	13.62
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	123.49	13.62
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	140.28	13.62
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	158.08	13.62
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	174.97	13.62
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	196.86	13.62
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	211.78	13.62
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	234.87	13.62
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	250.03	13.62
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	260.86	13.62
 05 58 23 00-0014 Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small>		
Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails	214.54	28.37
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails	276.37	28.37
 05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>		
Note: Steel King Steel Guard.		
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	116.42	13.62
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	128.25	13.62
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	143.02	13.62
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	156.83	13.62
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	172.81	13.62
05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	180.50	13.62
05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	199.03	13.62
05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	214.67	13.62
05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	231.27	13.62
05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	248.11	13.62
 05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>		
Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	169.68	13.62
05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	182.67	13.62
05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	196.14	13.62
05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	211.78	13.62
05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	227.42	13.62
05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	240.17	13.62
05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	254.84	13.62
05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	271.44	13.62
05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	289.24	13.62

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	304.88	13.62
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails	189.91	28.37
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails.....	240.05	28.37
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	248.13	37.82
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	260.16	37.82
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	267.13	37.82
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	277.48	37.82
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	275.07	37.82
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	287.82	37.82
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	291.43	37.82
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	295.52	37.82
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	315.01	37.82
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	322.71	37.82
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	337.14	37.82
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	343.16	37.82
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	372.75	37.82
05 58 23 00-0059 Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	159.77	28.37
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	183.54	28.37
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	208.70	28.37
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	215.58	28.37
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	231.46	28.37
05 59 Metal Specialties (05 50)		
05 59 65 Chain (05 59)		
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	3.73	0.78
For Plastic Dipped, Add	0.33	
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	4.99	1.04
For Plastic Dipped, Add	0.44	
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.09	2.07
For Plastic Dipped, Add	0.59	
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.05	3.50
For Plastic Dipped, Add	0.91	
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	22.04	5.92
For Plastic Dipped, Add	1.53	
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	30.93	8.31
For Plastic Dipped, Add	2.15	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	41.76	10.38
For Plastic Dipped, Add	3.15	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	59.88	13.84
For Plastic Dipped, Add	4.83	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	96.62	20.77
For Plastic Dipped, Add	8.26	

END OF SECTION 05



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 90 Painting And Coating ⁽⁰⁹⁾

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.

09 91 Painting ^(09 90)

09 91 13 Exterior Painting ^(09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Walls/Siding ^(09 91 13)

09 91 13 00-0002 Brick Surfaces ^(09 91 13 00-0001)

09 91 13 00-0003	SF	Paint Exterior Brick 1 Coat Filler, Brush Work	0.72
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Work >20', Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.47
		<i>For >100 To 250, Add</i>	0.22
		<i>For >250 To 500, Add</i>	0.10
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.07
		<i>For >10,000 To 20,000, Deduct</i>	-0.11
		<i>For >20,000, Deduct</i>	-0.14
09 91 13 00-0004	SF	Paint Exterior Brick 1 Coat Paint, Brush Work	1.03
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work >20', Add</i>	0.22
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.69
		<i>For >100 To 250, Add</i>	0.33
		<i>For >250 To 500, Add</i>	0.14
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.10
		<i>For >10,000 To 20,000, Deduct</i>	-0.15
		<i>For >20,000, Deduct</i>	-0.21
09 91 13 00-0005	SF	Paint Exterior Brick 2 Coats Paint, Brush Work	1.49
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Work >20', Add</i>	0.30
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.95
		<i>For >100 To 250, Add</i>	0.45
		<i>For >250 To 500, Add</i>	0.20
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.15
		<i>For >10,000 To 20,000, Deduct</i>	-0.22
		<i>For >20,000, Deduct</i>	-0.30
09 91 13 00-0006	SF	Paint Exterior Brick 1 Coat Filler, Brush/Roller Work	0.47
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Work >20', Add</i>	0.09
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.28
		<i>For >100 To 250, Add</i>	0.13
		<i>For >250 To 500, Add</i>	0.06
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.05
		<i>For >10,000 To 20,000, Deduct</i>	-0.07
		<i>For >20,000, Deduct</i>	-0.09
09 91 13 00-0007	SF	Paint Exterior Brick 1 Coat Paint, Brush/Roller Work	0.79
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Work >20', Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.48
		<i>For >100 To 250, Add</i>	0.23
		<i>For >250 To 500, Add</i>	0.10
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.08
		<i>For >10,000 To 20,000, Deduct</i>	-0.12
		<i>For >20,000, Deduct</i>	-0.16
09 91 13 00-0008	SF	Paint Exterior Brick 2 Coats Paint, Brush/Roller Work	1.16
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work >20', Add</i>	0.21
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.68
		<i>For >100 To 250, Add</i>	0.33
		<i>For >250 To 500, Add</i>	0.14
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000 To 20,000, Deduct</i>	-0.17
		<i>For >20,000, Deduct</i>	-0.23

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF		Paint Exterior Brick 1 Coat Filler, Spray.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0010	SF		Paint Exterior Brick 1 Coat Paint, Spray.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0011	SF		Paint Exterior Brick 2 Coats Paint, Spray.....	0.99	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0012			Concrete Surface (09 91 13 00-0001)		
09 91 13 00-0013	SF		Paint Exterior Concrete, 1 Coat Filler, Brush Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0014	SF		Paint Exterior Concrete, 1 Coat Paint, Brush Work.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0015	SF		Paint Exterior Concrete, 2 Coats Paint, Brush Work.....	1.26	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0016	SF		Paint Exterior Concrete, 1 Coat Filler, Brush/Roller Work.....	0.49	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017 SF Paint Exterior Concrete, 1 Coat Paint, Brush/Roller Work	0.57	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0018 SF Paint Exterior Concrete, 2 Coats Paint, Brush/Roller Work	0.95	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0019 SF Paint Exterior Concrete, 1 Coat Filler, Spray	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0020 SF Paint Exterior Concrete, 1 Coat Paint, Spray	0.39	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete, 2 Coats Paint, Spray	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0022 Concrete Block Surfaces (09 91 13 00-0001)		
09 91 13 00-0023 Concrete Block, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush Work	0.85	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0025 SF Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush	0.98	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush Work.....	1.70	
			<i>For Work >20', Add</i>	0.34	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.26	
			<i>For >20,000, Deduct</i>	-0.34	
09 91 13 00-0027	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.69	
			<i>For Work >20', Add</i>	0.13	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 13 00-0028	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.77	
			<i>For Work >20', Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 13 00-0029	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.34	
			<i>For Work >20', Add</i>	0.25	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 13 00-0030	SF		Paint Exterior Concrete Block, 1 Coat Filler, Sprayed.....	0.66	
			<i>For Work >20', Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0031	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Sprayed.....	0.61	
			<i>For Work >20', Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 13 00-0032	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Sprayed.....	1.16	
			<i>For Work >20', Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.60	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0033			Concrete Block Surfaces, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush Work.....	0.79	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush Work.....	0.93	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0036 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush Work.....	1.70	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0037 SF Paint Exterior Concrete Block, Texture Coat, Brush Work.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0038 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.62	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0039 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush/Roller Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0040 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush/Roller Work.....	1.34	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0041 SF Paint Exterior Concrete Block, Texture Coat, Brush/Roller Work.....	0.88	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF		Paint Exterior Concrete Block, 1 Coat Filler, Spray.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0043	SF		Paint Exterior Concrete Block, 1 Coat Paint, Spray.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0044	SF		Paint Exterior Concrete Block, 2 Coats Paint, Spray.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 13 00-0045	SF		Paint Exterior Concrete Block, Texture Coat, Spray.....	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0046			Metal Surfaces (09 91 13 00-0001)		
09 91 13 00-0047			Galvanized Surfaces, Galvanized Primer (09 91 13 00-0046)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0048	SF		Paint Exterior Galvanized Surfaces, One Coat Primer, Brush Work.....	0.74	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0049	SF		Paint Exterior Galvanized Surfaces, One Coat Paint, Brush Work.....	0.83	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0050	SF		Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush Work.....	1.49	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051 SF Paint Exterior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	0.55	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0052 SF Paint Exterior Galvanized Surfaces, One Coat Paint, Brush/Roller Work	0.64	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0053 SF Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	1.18	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0054 SF Paint Exterior Galvanized Surfaces, One Primer, Sprayed.....	0.43	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0055 SF Paint Exterior Galvanized Surfaces, One Paint, Sprayed.....	0.60	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0056 SF Paint Exterior Galvanized Surfaces, Two Coats Paint, Sprayed.....	0.97	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0057 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0046)		
Note: Alkyd enamel paint.		
09 91 13 00-0058 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work.....	0.74	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0059 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work.....	0.83	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work	1.48	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0061	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work	0.59	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0062	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work.....	0.68	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0063	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work	1.26	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0064	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat, Sprayed.....	0.49	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0065	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0066	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed.....	0.97	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 13 00-0067			Aluminum And Aluminum Alloy, Heat Resistant (09 91 13 00-0046)		
09 91 13 00-0068	LF		Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Primer, Per LF Of Stack	10.54	
			For Work >20', Add	2.44	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	7.43	
			For >100 To 250, Add	3.49	
			For >250 To 500, Add	1.50	
			For >2,500 To 5,000, Deduct	-0.53	
			For >5,000 To 10,000, Deduct	-1.05	
			For >10,000 To 20,000, Deduct	-1.58	
			For >20,000, Deduct	-2.11	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Paint, Per LF Of Stack	11.72	
For Work >20', Add	2.71	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.26	
For >100 To 250, Add	3.88	
For >250 To 500, Add	1.67	
For >2,500 To 5,000, Deduct	-0.59	
For >5,000 To 10,000, Deduct	-1.17	
For >10,000 To 20,000, Deduct	-1.76	
For >20,000, Deduct	-2.34	
09 91 13 00-0070 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, Two Coats Paint, Per LF Of Stack.....	21.95	
For Work >20', Add	5.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	15.51	
For >100 To 250, Add	7.29	
For >250 To 500, Add	3.13	
For >2,500 To 5,000, Deduct	-1.10	
For >5,000 To 10,000, Deduct	-2.20	
For >10,000 To 20,000, Deduct	-3.29	
For >20,000, Deduct	-4.39	
09 91 13 00-0071 Corrugated Metal Surfaces (09 91 13 00-0046)		
09 91 13 00-0072 SF Paint Exterior Corrugated Metal Surfaces, One Primer, Sprayed.....	0.54	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0073 SF Paint Exterior Corrugated Metal Surfaces, One Paint, Sprayed	0.76	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0074 SF Paint Exterior Corrugated Metal Surfaces, Two Coats Paint, Sprayed.....	1.23	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0075 Stucco Surfaces (09 91 13 00-0001)		
09 91 13 00-0076 SF Paint Exterior Stucco Surfaces One Coat Primer, Brush Work.....	1.06	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0077 SF Paint Exterior Stucco Surfaces One Coat Paint, Brush Work	1.17	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0078	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Brush Work	2.16
		For Oil Based Paint, Add	0.12
		For Work >20', Add	0.47
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	1.45
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 20,000, Deduct	-0.32
		For >20,000, Deduct	-0.43
09 91 13 00-0079	SF	Paint Exterior Stucco Surfaces One Coat Primer, Brush/Roller Work.....	0.80
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.17
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.53
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.11
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.12
		For >20,000, Deduct	-0.16
09 91 13 00-0080	SF	Paint Exterior Stucco Surfaces One Coat Paint, Brush/Roller Work.....	0.91
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.19
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.60
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.18
09 91 13 00-0081	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Brush/Roller Work.....	1.66
		For Oil Based Paint, Add	0.10
		For Work >20', Add	0.35
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	1.08
		For >100 To 250, Add	0.51
		For >250 To 500, Add	0.22
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.17
		For >10,000 To 20,000, Deduct	-0.25
		For >20,000, Deduct	-0.33
09 91 13 00-0082	SF	Paint Exterior Stucco Surfaces One Coat Primer, Sprayed.....	0.68
		For Oil Based Paint, Add	0.04
		For Work >20', Add	0.14
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.43
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.14
09 91 13 00-0083	SF	Paint Exterior Stucco Surfaces One Coat Paint, Sprayed.....	0.72
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.14
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.43
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.14
09 91 13 00-0084	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Sprayed.....	1.41
		For Oil Based Paint, Add	0.09
		For Work >20', Add	0.27
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.87
		For >100 To 250, Add	0.41
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.21
		For >20,000, Deduct	-0.28

09 91 13 00-0085 Wood Surfaces (09 91 13 00-0001)

09 91 13 00-0086 Smooth Wood (09 91 13 00-0085)

Note: Includes tongue and groove, beveled, drop or board and batten siding.



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Brush Work	0.77	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0088 SF Paint Exterior Wood Smooth Siding, One Coat Paint, Brush Work.....	0.81	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0089 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush Work.....	1.44	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0090 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Brush/Roller Work.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0091 SF Paint Exterior Wood Smooth Siding, One Coat Paint, Brush/Roller Work	0.66	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0092 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush/Roller Work	1.22	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0093 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Sprayed.....	0.49	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0094	SF	Paint Exterior Wood Smooth Siding, One Coat Paint, Sprayed.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0095	SF	Paint Exterior Wood Smooth Siding, Two Coats Paint, Sprayed.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91	13 00-0096		Rough Wood (09 91 13 00-0085)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91	13 00-0097	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush Work.....	1.19	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0098	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush Work.....	1.20	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.27	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0099	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush Work.....	2.22	
			For Oil Based Paint, Add	0.12	
			For Work >20', Add	0.50	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.52	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91	13 00-0100	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush/Roller Work.....	1.03	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91	13 00-0101	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush/Roller Work.....	1.12	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush/Roller Work.....	2.05	
For Oil Based Paint, Add	0.13	
For Work >20', Add	0.39	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.23	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 13 00-0103 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0104 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Sprayed.....	0.87	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0105 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Sprayed.....	1.62	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0106 Vinyl Surfaces <small>(09 91 13 00-0001)</small>		
09 91 13 00-0107 SF Paint Exterior Vinyl Siding, One Coat Primer, Brush Work.....	0.66	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0108 SF Paint Exterior Vinyl Siding, One Coat Paint, Brush Work.....	0.73	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0109 SF Paint Exterior Vinyl Siding, Two Coats Paint, Brush Work.....	1.33	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0110	SF		Paint Exterior Vinyl Siding, One Coat Primer, Brush/Roller Work.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0111	SF		Paint Exterior Vinyl Siding, One Coat Paint, Brush/Roller Work.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0112	SF		Paint Exterior Vinyl Siding, Two Coats Paint, Brush/Roller Work.....	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0113	SF		Paint Exterior Vinyl Siding, One Coat Primer, Sprayed.....	0.53	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0114	SF		Paint Exterior Vinyl Siding, One Coat Paint, Sprayed.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0115	SF		Paint Exterior Vinyl Siding, Two Coats Paint, Sprayed.....	1.14	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0116			Ceilings (09 91 13)		
09 91 13 00-0117			Concrete (09 91 13 00-0116)		
09 91 13 00-0118	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.70	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.77	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0120 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.37	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0121 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.53	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0122 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.60	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0123 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.10	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0124 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Spray.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0125 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Spray.....	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Spray	0.85	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0127 Wood (09 91 13 00-0116)		
09 91 13 00-0128 Smooth Wood (09 91 13 00-0127)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0129 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush Work	0.86	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0130 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush Work.....	0.89	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0131 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush Work.....	1.62	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0132 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0133 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work	0.74	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0134 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work.....	1.31	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0135 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Sprayed.....	0.56	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0136 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Sprayed.....	0.56	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0137 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Sprayed.....	1.01	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0138 Rough Wood <small>(09 91 13 00-0127)</small>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0139 SF Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush Work.....	1.28	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0140 SF Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush Work.....	1.33	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0141 SF Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush Work.....	2.31	
For Oil Based Paint, Add	0.13	
For Work >20', Add	0.52	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.59	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	
09 91 13 00-0142 SF Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush/Roller Work.....	1.12	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0143	SF	Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush/Roller Work	1.20	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0144	SF	Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush/Roller Work	2.13	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.41	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91	13 00-0145	SF	Paint Exterior Wood Rough Ceiling, One Coat Primer, Sprayed.....	0.86	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91	13 00-0146	SF	Paint Exterior Wood Rough Ceiling, One Coat Paint, Sprayed.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91	13 00-0147	SF	Paint Exterior Wood Rough Ceiling, Two Coats Paint, Sprayed	1.74	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91	13 00-0148		Metal (09 91 13 00-0116)		
09 91	13 00-0149		Galvanized Surfaces, Galvanized Primer (09 91 13 00-0148)		
			Note: Linseed oil or acrylic latex paint.		
09 91	13 00-0150	SF	Paint Exterior Galvanized Ceiling, One Coat Primer, Brush Work	0.83	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91	13 00-0151	SF	Paint Exterior Galvanized Ceiling, One Coat Paint, Brush Work	0.91	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0152	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush Work.....	1.65	
				<i>For Work >20', Add</i>	0.35	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	1.08	
				<i>For >100 To 250, Add</i>	0.51	
				<i>For >250 To 500, Add</i>	0.22	
				<i>For >2,500 To 5,000, Deduct</i>	-0.08	
				<i>For >5,000 To 10,000, Deduct</i>	-0.17	
				<i>For >10,000 To 20,000, Deduct</i>	-0.25	
				<i>For >20,000, Deduct</i>	-0.33	
	09 91	13 00-0153	SF	Paint Exterior Galvanized Ceiling, One Coat Primer, Brush/Roller Work.....	0.63	
				<i>For Work >20', Add</i>	0.13	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.41	
				<i>For >100 To 250, Add</i>	0.19	
				<i>For >250 To 500, Add</i>	0.08	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.06	
				<i>For >10,000 To 20,000, Deduct</i>	-0.09	
				<i>For >20,000, Deduct</i>	-0.13	
	09 91	13 00-0154	SF	Paint Exterior Galvanized Ceiling, One Coat Paint, Brush/Roller Work.....	0.71	
				<i>For Work >20', Add</i>	0.15	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.47	
				<i>For >100 To 250, Add</i>	0.22	
				<i>For >250 To 500, Add</i>	0.10	
				<i>For >2,500 To 5,000, Deduct</i>	-0.04	
				<i>For >5,000 To 10,000, Deduct</i>	-0.07	
				<i>For >10,000 To 20,000, Deduct</i>	-0.11	
				<i>For >20,000, Deduct</i>	-0.14	
	09 91	13 00-0155	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work.....	1.25	
				<i>For Work >20', Add</i>	0.26	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.81	
				<i>For >100 To 250, Add</i>	0.38	
				<i>For >250 To 500, Add</i>	0.17	
				<i>For >2,500 To 5,000, Deduct</i>	-0.06	
				<i>For >5,000 To 10,000, Deduct</i>	-0.13	
				<i>For >10,000 To 20,000, Deduct</i>	-0.19	
				<i>For >20,000, Deduct</i>	-0.25	
	09 91	13 00-0156	SF	Paint Exterior Galvanized Ceiling, One Primer, Sprayed.....	0.60	
				<i>For Work >20', Add</i>	0.11	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.35	
				<i>For >100 To 250, Add</i>	0.17	
				<i>For >250 To 500, Add</i>	0.07	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.06	
				<i>For >10,000 To 20,000, Deduct</i>	-0.09	
				<i>For >20,000, Deduct</i>	-0.12	
	09 91	13 00-0157	SF	Paint Exterior Galvanized Ceiling, One Paint, Sprayed.....	0.60	
				<i>For Work >20', Add</i>	0.11	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.35	
				<i>For >100 To 250, Add</i>	0.17	
				<i>For >250 To 500, Add</i>	0.07	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.06	
				<i>For >10,000 To 20,000, Deduct</i>	-0.09	
				<i>For >20,000, Deduct</i>	-0.12	
	09 91	13 00-0158	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Sprayed.....	1.08	
				<i>For Work >20', Add</i>	0.19	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.62	
				<i>For >100 To 250, Add</i>	0.30	
				<i>For >250 To 500, Add</i>	0.13	
				<i>For >2,500 To 5,000, Deduct</i>	-0.05	
				<i>For >5,000 To 10,000, Deduct</i>	-0.11	
				<i>For >10,000 To 20,000, Deduct</i>	-0.16	
				<i>For >20,000, Deduct</i>	-0.22	
	09 91	13 00-0159		Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0148)		
				<i>Note: Alkyd enamel paint.</i>		
	09 91	13 00-0160	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work.....	0.83	
				<i>For Work >20', Add</i>	0.17	
				<i>Note: Applied only to work area above 20'.</i>		
				<i>For Up To 100, Add</i>	0.54	
				<i>For >100 To 250, Add</i>	0.26	
				<i>For >250 To 500, Add</i>	0.11	
				<i>For >2,500 To 5,000, Deduct</i>	-0.04	
				<i>For >5,000 To 10,000, Deduct</i>	-0.08	
				<i>For >10,000 To 20,000, Deduct</i>	-0.12	
				<i>For >20,000, Deduct</i>	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work	0.91	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0162	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work.....	1.65	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0163	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work.....	0.68	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0164	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work	0.76	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0165	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work	1.35	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0166	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed.....	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0167	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed.....	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0168	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed.....	1.08	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	

09 91 13 00-0169 Corrugated Metal Surfaces (09 91 13 00-0148)



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF Paint Exterior Corrugated Metal Ceiling, One Primer, Sprayed.....	0.64	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0171 SF Paint Exterior Corrugated Metal Ceiling, One Paint, Sprayed.....	0.76	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0172 SF Paint Exterior Corrugated Metal Ceiling, Two Coats Paint, Sprayed.....	1.36	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0173 Floors (09 91 13)		
09 91 13 00-0174 Concrete (09 91 13 00-0173)		
09 91 13 00-0175 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush Work.....	0.53	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0176 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush Work.....	0.60	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0177 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush Work.....	1.10	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0178 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0179 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work.....	0.51	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0180 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0181 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Sprayed.....	0.33	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0182 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Sprayed.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0183 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Sprayed.....	0.74	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0184 SF Paint Exterior Concrete Floors And Decks, One Coat Non Slip Paint, Brush/Roller Work.....	1.20	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0185 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.68	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.54	
09 91 13 00-0186 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.30	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.50	
For >20,000, Deduct	-0.66	
09 91 13 00-0187 Wood (09 91 13 00-0173)		
09 91 13 00-0188 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Brush Work	0.66	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0189 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush Work.....	1.35	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0191 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.60	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0192 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Brush/Roller Work.....	0.58	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0193 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work.....	1.05	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0194 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0195 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0196 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Sprayed.....	0.89	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0197 SF Paint Exterior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work.....	1.29	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0198 SF Paint Exterior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work.....	3.39	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000 To 20,000, Deduct	-0.51	
For >20,000, Deduct	-0.68	
09 91 13 00-0199 Site Work <small>(09 91 13)</small>		
Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0200 Structural Steel <small>(09 91 13 00-0199)</small>		
09 91 13 00-0201 One Field Coat Paint, Brush Work <small>(09 91 13 00-0200)</small>		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0202	SF	Paint Structural Steel One Field Coat Primer, Brush/Roller Work.....	0.81	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91	13 00-0203	SF	Paint Structural Steel One Field Coat Paint, Brush/Roller Work.....	0.71	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0204		One Field Coat Paint, Spray Work <small>(09 91 13 00-0200)</small>		
09 91	13 00-0205	SF	Paint Structural Steel One Field Coat Primer, Spray Work.....	0.53	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91	13 00-0206	SF	Paint Structural Steel One Field Coat Paint, Spray Work.....	0.43	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91	13 00-0207		Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0200)</small>		
09 91	13 00-0208	SF	Paint Exposed Metal Decking, One Coat Primer, Sprayed.....	0.61	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0209	SF	Paint Exposed Metal Decking, One Coat Paint, Sprayed.....	0.61	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0210	SF	Paint Exposed Metal Decking, Two Coat Paint, Sprayed.....	1.00	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0211	SF	Paint Metal Beams And Bar Joists, One Coat Primer, Brush/Roller Work.....	0.84	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0212	SF	Paint Metal Beams And Bar Joists, One Coat Paint, Brush/Roller Work.....	0.82	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0213	SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Brush/Roller Work.....	1.55	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91	13 00-0214	SF	Paint Metal Beams And Bar Joists, One Coat Primer, Sprayed.....	0.74	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91	13 00-0215	SF	Paint Metal Beams And Bar Joists, One Coat Paint, Sprayed.....	0.74	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91	13 00-0216	SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Sprayed.....	1.21	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0217		Steel Pipes <small>(09 91 13 00-0199)</small>		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91	13 00-0218	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Primer.....	1.21	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0219	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Primer.....	1.36	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.12	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0220 LF Paint Steel Pipes 4" Diameter, One Coat Primer	1.53	
<i>For Electrostatic Painting, Add</i>	0.18	
<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0221 LF Paint Steel Pipes 6" To 8" Diameter, One Coat Primer	1.91	
<i>For Electrostatic Painting, Add</i>	0.22	
<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0222 LF Paint Steel Pipes 10" To 12" Diameter One Coat Primer	2.42	
<i>For Electrostatic Painting, Add</i>	0.28	
<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0223 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Paint	1.21	
<i>For Electrostatic Painting, Add</i>	0.14	
<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0224 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Paint	1.36	
<i>For Electrostatic Painting, Add</i>	0.16	
<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0225 LF Paint Steel Pipes 4" Diameter, One Coat Paint	1.53	
<i>For Electrostatic Painting, Add</i>	0.18	
<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0226 LF Paint Steel Pipes 6" To 8" Diameter, One Coat Paint	1.91	
<i>For Electrostatic Painting, Add</i>	0.22	
<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0227 LF Paint Steel Pipes 10" To 12" Diameter One Coat Paint	2.42	
<i>For Electrostatic Painting, Add</i>	0.28	
<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0228 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, Two Coats	2.40	
<i>For Electrostatic Painting, Add</i>	0.29	
<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0229 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, Two Coats	2.71	
<i>For Electrostatic Painting, Add</i>	0.32	
<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0230 LF Paint Steel Pipes 4" Diameter, Two Coats	2.90	
<i>For Electrostatic Painting, Add</i>	0.34	
<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0231 LF Paint Steel Pipes 6" To 8" Diameter, Two Coats	3.68	
<i>For Electrostatic Painting, Add</i>	0.43	
<i>For Epoxy Paint, Add</i>	0.31	
09 91 13 00-0232 LF Paint Steel Pipes 10" To 12" Diameter, Two Coats	4.53	
<i>For Electrostatic Painting, Add</i>	0.54	
<i>For Epoxy Paint, Add</i>	0.39	
09 91 13 00-0233 Fence Painting <small>(09 91 13 00-0199)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0234 SF Paint Existing Chain Link Fence, One Coat Paint, Brush/Roller	0.60	
<i>For Epoxy Paint, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.40	
<i>For >100 To 250, Add</i>	0.19	
<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0235 SF Paint Existing Chain Link Fence, Two Coats Paint, Brush/Roller	1.11	
<i>For Epoxy Paint, Add</i>	0.10	
<i>For Up To 100, Add</i>	0.74	
<i>For >100 To 250, Add</i>	0.35	
<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0236 SF Paint Existing Chain Link Fence, One Coat Paint, Spray	0.54	
<i>For Epoxy Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0237 SF Paint Existing Chain Link Fence, Two Coats Paint, Spray	0.99	
<i>For Epoxy Paint, Add</i>	0.11	
<i>For Up To 100, Add</i>	0.62	
<i>For >100 To 250, Add</i>	0.30	
<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0238 SF Paint Wrought Iron Fence, One Coat Primer, Brush/Roller	0.53	
<i>For Up To 100, Add</i>	0.34	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0239 SF Paint Wrought Iron Fence, One Coat, Brush/Roller	0.51	
<i>For Up To 100, Add</i>	0.33	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0240 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.35	
<i>For Up To 100, Add</i>	0.21	
<i>For >100 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.04	
09 91 13 00-0241 SF Paint Picket Fence, One Coat Primer, Brush/Roller	0.77	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0242 SF Paint Picket Fence, One Coat, Brush/Roller	0.75	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0243	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.53	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0244	SF	Paint Wood Fences One Coat, Brush/Roller	0.53	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0245	SF	Paint Wood Fences Two Coats, Brush/Roller	0.95	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
09 91	13 00-0246	SF	Paint Wood Fences One Coat, Spray	0.43	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.05	
09 91	13 00-0247	SF	Paint Wood Fences Two Coats, Spray	0.80	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
09 91	13 00-0248		Metal Surfaces <small>(09 91 13 00-0199)</small>		
09 91	13 00-0249	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Primer	1.08	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Electrostatic Painting, Add</i>	0.13	
09 91	13 00-0250	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Enamel	1.03	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Electrostatic Painting, Add</i>	0.12	
09 91	13 00-0251	SF	Paint Miscellaneous Exposed Metal Two Coats Alkyd Enamel	2.09	
			<i>For Epoxy Paint, Add</i>	0.16	
			<i>For Electrostatic Painting, Add</i>	0.24	
09 91	13 00-0252	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Primer	1.24	
			<i>For Electrostatic Painting, Add</i>	0.15	
09 91	13 00-0253	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Alkyd	1.19	
			<i>For Electrostatic Painting, Add</i>	0.13	
09 91	13 00-0254	SF	Paint Ventilation Louver, SF Of Opening Area, Two Coats Alkyd	2.42	
			<i>For Electrostatic Painting, Add</i>	0.27	
09 91	13 00-0255		Ladders <small>(09 91 13 00-0199)</small>		
09 91	13 00-0256	LF	Paint Ladders One Coat Alkyd Primer	3.37	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91	13 00-0257	LF	Paint Ladders One Coat Alkyd Enamel	3.77	
			<i>For Epoxy Paint, Add</i>	0.21	
09 91	13 00-0258	LF	Paint Ladders Two Coats Alkyd Enamel	7.46	
			<i>For Epoxy Paint, Add</i>	0.40	
09 91	13 00-0259		Handrails <small>(09 91 13 00-0199)</small>		
09 91	13 00-0260	LF	Paint Stair Hand Rail And Bracket, 1 Rail One Coat Alkyd Enamel	1.46	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0261	LF	Paint Stair Hand Rail And Bracket, 1 Rail Two Coats Alkyd Enamel	2.43	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0262	LF	Paint Stair Pipe Rail And Pickets, 1 Rail One Coat Alkyd Enamel	2.20	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0263	LF	Paint Stair Pipe Rail And Pickets, 1 Rail Two Coats Alkyd Enamel	3.89	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0264	LF	Paint Stair Pipe Rail And Pickets, 2 Rails One Coat Alkyd Enamel	2.41	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0265	LF	Paint Stair Pipe Rail And Pickets, 2 Rails Two Coats Alkyd Enamel	4.17	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91	13 00-0266	LF	Paint Balustrades, One Coat Alkyd Enamel	1.50	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91	13 00-0267	LF	Paint Balustrades, Two Coats Alkyd Enamel	2.71	
			<i>For Epoxy Paint, Add</i>	0.23	
09 91	13 00-0268		Grating <small>(09 91 13 00-0199)</small>		
09 91	13 00-0269	SF	Paint Gratings And Frames One Coat Primer	2.50	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91	13 00-0270	SF	Paint Gratings And Frames One Coat Paint	2.45	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0271	SF	Paint Gratings And Frames Two Coats Paint	3.65	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0272		Other Site Work Tasks <small>(09 91 13 00-0199)</small>		
09 91	13 00-0273		Flagpoles <small>(09 91 13 00-0272)</small>		
09 91	13 00-0274	EA	Paint Steel Flagpole, 20' High, One Coat Paint	151.28	
09 91	13 00-0275	EA	Paint Steel Flagpole, 30' High, One Coat Paint	203.06	
09 91	13 00-0276	EA	Paint Steel Flagpole, 40' High, One Coat Paint	254.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0277	EA	Paint Steel Flagpole, 50' High, One Coat Paint	306.68	
	09 91	13 00-0278	EA	Paint Steel Flagpole, 70' High, One Coat Paint	403.59	
	09 91	13 00-0279	EA	Paint Steel Flagpole, 80' High, One Coat Paint	454.56	
	09 91	13 00-0280	EA	Paint Steel Flagpole, 90' High, One Coat Paint	505.54	
	09 91	13 00-0281		Lattice Or Trellis (09 91 13 00-0272)		
	09 91	13 00-0282	SF	Paint Wood Lattice Or Trellis One Coat, Spray Per Side.....	1.15	
	09 91	13 00-0283	SF	Paint Wood Lattice Or Trellis Two Coats, Spray Per Side.....	2.12	
				<i>For Up To 100, Add</i>	1.47	
				<i>For >100 To 250, Add</i>	0.69	
				<i>For >250 To 500, Add</i>	0.30	
	09 91	13 00-0284		Equipment And Tanks (09 91 13 00-0199)		
	09 91	13 00-0285		Valves, Primer And Finish Coats (09 91 13 00-0284)		
	09 91	13 00-0286	EA	Prime And Paint 4" And Smaller Valve	23.40	
	09 91	13 00-0287	EA	Prime And Paint 6" To 10" Valve	28.43	
	09 91	13 00-0288	EA	Prime And Paint 12" To 18" Valve	37.62	
	09 91	13 00-0289	EA	Prime And Paint 20" To 24" Valve	50.95	
	09 91	13 00-0290	EA	Prime And Paint >24" To 36" Valve	69.32	
	09 91	13 00-0291	EA	Prime And Paint >36" To 48" Valve	93.59	
	09 91	13 00-0292		Pumps And Motors. Primer And Finish Coats (09 91 13 00-0284)		
	09 91	13 00-0293	EA	Prime And Paint Pump Under 1 HP	71.07	
	09 91	13 00-0294	EA	Prime And Paint Pump, 1 HP To 5 HP	92.07	
	09 91	13 00-0295	EA	Prime And Paint Pump, >5 HP To 10 HP	108.91	
	09 91	13 00-0296	EA	Prime And Paint Pump, >10 HP To 20 HP	120.72	
	09 91	13 00-0297	EA	Prime And Paint Pump, >20 HP To 30 HP	140.83	
	09 91	13 00-0298	EA	Prime And Paint Pump, >30 HP To 50 HP	160.96	
	09 91	13 00-0299	EA	Prime And Paint Pump, >50 HP To 75 HP	176.93	
	09 91	13 00-0300	EA	Prime And Paint Pump, >75 HP	201.20	
	09 91	13 00-0301		Storage Tanks (09 91 13 00-0284)		
	09 91	13 00-0302	SF	Paint Storage Tank, Exterior Surface, One Coat Primer, Roller	0.85	
	09 91	13 00-0303	SF	Paint Storage Tank, Exterior Surface, One Coat Paint, Roller.....	1.08	
	09 91	13 00-0304	SF	Paint Storage Tank, Exterior Surface, Two Coats Paint, Roller.....	2.03	
	09 91	13 00-0305	SF	Paint Storage Tank, Interior Surface, One Coat Primer, Roller.....	1.19	
	09 91	13 00-0306	SF	Paint Storage Tank, Interior Surface, One Coat Paint, Roller.....	1.48	
	09 91	13 00-0307	SF	Paint Storage Tank, Interior Surface, Two Coats Paint, Roller.....	2.80	
	09 91	13 00-0308	SF	Paint Storage Tank, Exterior Surface, One Coat Primer, Spray	0.79	
	09 91	13 00-0309	SF	Paint Storage Tank, Exterior Surface, One Coat Paint, Spray.....	0.88	
	09 91	13 00-0310	SF	Paint Storage Tank, Exterior Surface, Two Coats Paint, Spray.....	1.68	
	09 91	13 00-0311	SF	Paint Storage Tank, Interior Surface, One Coat Primer, Spray.....	0.90	
	09 91	13 00-0312	SF	Paint Storage Tank, Interior Surface, One Coat Paint, Spray.....	1.14	
	09 91	13 00-0313	SF	Paint Storage Tank, Interior Surface, Two Coats Paint, Spray.....	2.19	
	09 91	13 00-0314		Stairs (09 91 13)		
	09 91	13 00-0315		Concrete (09 91 13 00-0314)		
	09 91	13 00-0316	RSR	Paint Concrete Stair (To 4' Wide) One Coat Primer.....	14.68	
	09 91	13 00-0317	RSR	Paint Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	14.68	
	09 91	13 00-0318	RSR	Paint Concrete Stair (To 4' Wide) One Coat Non Slip Paint	17.59	
	09 91	13 00-0319	RSR	Paint Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	26.00	
	09 91	13 00-0320	RSR	Paint Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	29.36	
	09 91	13 00-0321		Metal (09 91 13 00-0314)		
	09 91	13 00-0322	RSR	Paint Metal Stair (To 4' Wide) One Coat Primer	7.51	
				<i>For Oil Based Paint, Add</i>	0.39	
	09 91	13 00-0323	RSR	Paint Metal Stair (To 4' Wide) One Coat Alkyd Enamel.....	7.51	
				<i>For Oil Based Paint, Add</i>	0.39	
	09 91	13 00-0324	RSR	Paint Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	15.02	
				<i>For Oil Based Paint, Add</i>	0.79	
	09 91	13 00-0325		Wood (09 91 13 00-0314)		
	09 91	13 00-0326	RSR	Paint Wood Stair (To 4' Wide) One Coat Primer.....	7.51	
	09 91	13 00-0327	RSR	Paint Wood Stair (To 4' Wide) One Coat Alkyd Enamel	7.50	
	09 91	13 00-0328	RSR	Paint Wood Stair (To 4' Wide) One Coat Non Slip Paint.....	10.41	
	09 91	13 00-0329	RSR	Paint Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating.....	18.82	
	09 91	13 00-0330	RSR	Paint Wood Stair (To 4' Wide) Two Coats Alkyd Enamel.....	15.01	
	09 91	13 00-0331		Stair Nosing (09 91 13 00-0314)		
	09 91	13 00-0332	LF	Paint Yellow Stair Safety Strip, Up To 2", Non Slip.....	1.22	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0333	Trim Work (09 91 13)		
09 91 13 00-0334	Metal (09 91 13 00-0333)		
09 91 13 00-0335	SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	1.02	
09 91 13 00-0336	SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	1.02	
09 91 13 00-0337	SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.84	
09 91 13 00-0338	SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.81	
09 91 13 00-0339	SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.91	
09 91 13 00-0340	SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.63	
09 91 13 00-0341	LF Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....	1.49	
09 91 13 00-0342	LF Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....	2.02	
09 91 13 00-0343	Wood (09 91 13 00-0333)		
09 91 13 00-0344	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....	1.20	
	<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0345	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	1.30	
	<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0346	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	2.34	
	<i>For Oil Based Paint, Add</i>	0.14	
09 91 13 00-0347	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.95	
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0348	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....	1.05	
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0349	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	1.93	
	<i>For Oil Based Paint, Add</i>	0.12	
09 91 33	Painting Materials (09 91)		
	Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001	Primer (09 91 33)		
09 91 33 00-0002	GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	23.04	
09 91 33 00-0003	GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....	22.60	
09 91 33 00-0004	GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon.....	28.66	
09 91 33 00-0005	GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	52.73	
09 91 33 00-0006	EA Cement Base Primer, 25 LB Sack.....	23.63	
09 91 33 00-0007	GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	36.44	
09 91 33 00-0008	GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	29.25	
09 91 33 00-0009	GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	22.60	
09 91 33 00-0010	GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	20.53	
09 91 33 00-0011	GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....	36.19	
09 91 33 00-0012	GAL Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	30.13	
09 91 33 00-0013	GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	30.13	
09 91 33 00-0014	GAL Latex Wood Primer, Exterior, 300 SF Per Gallon.....	33.97	
09 91 33 00-0015	GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	22.16	
09 91 33 00-0016	GAL Red Alkyd Primer, 500 SF Per Gallon.....	39.44	
09 91 33 00-0017	GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	23.63	
09 91 33 00-0018	GAL Zinc Chromate Primer, 300 SF Per Gallon.....	18.91	
09 91 33 00-0019	GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	48.89	
09 91 33 00-0020	GAL Stain Killer, Alcohol Base.....	30.49	
09 91 33 00-0021	GAL Sealer, Primer Kilz, 400 SF Per Gallon.....	34.40	
09 91 33 00-0022	Paint (09 91 33)		
09 91 33 00-0023	GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	16.54	
09 91 33 00-0024	GAL Acrylic Urethane Sealer.....	82.03	
09 91 33 00-0025	GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....	8.86	
	Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026	GAL Concrete Enamel Epoxy, 350 SF Per Gallon.....	51.26	
09 91 33 00-0027	GAL Concrete Acrylic Sealer, 400 SF Per Gallon.....	26.88	
09 91 33 00-0028	GAL Driveway Coating, Tar Emulsion, 120 SF Per Gallon.....	8.86	
09 91 33 00-0029	GAL Driveway Coating, Acrylic Latex, 250 SF Per Gallon.....	13.44	
09 91 33 00-0030	GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	27.18	
09 91 33 00-0031	GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	36.19	
09 91 33 00-0032	GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	29.54	
09 91 33 00-0033	GAL Exterior, Oil Base, Flat.....	27.08	
09 91 33 00-0034	GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	25.70	
09 91 33 00-0035	GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	30.28	
09 91 33 00-0036	GAL Exterior, Latex Flat Paint, 300 SF Per Gallon.....	26.88	
09 91 33 00-0037	GAL Exterior, Latex Gloss Enamel, Water Base.....	38.27	
09 91 33 00-0038	GAL Cold Galvanizing Paint.....	170.32	
09 91 33 00-0039	GAL High Heat Paint.....	55.84	
09 91 33 00-0040	GAL Heat Resistant Paint.....	37.22	
09 91 33 00-0041	GAL Zinc Chromate Paint.....	33.68	
09 91 33 00-0042	QT Anti-Rust Enamel, 500 SF Per Quart.....	13.29	
09 91 33 00-0043	GAL Rust Inhibitor, Ferrous Metal.....	37.22	
09 91 33 00-0044	GAL Masonry Waterproofing, 100 SF Per Gallon.....	26.88	
09 91 33 00-0045	GAL Alkyd Latex, Black.....	25.11	
09 91 33 00-0046	GAL Alkyd Latex, White.....	25.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	30.28	
	09 91	33 00-0048	QT	Wrought Iron Paint, Black.....	33.97	
	09 91	33 00-0049	GAL	Vinyl Paint.....	45.20	
	09 91	33 00-0050	GAL	Silicone Alkyd.....	54.95	
	09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	55.84	
	09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	70.02	
	09 91	33 00-0053	GAL	Chlorinated Rubber.....	51.40	
	09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	53.18	
	09 91	33 00-0055	GAL	Coal Tar Epoxy.....	38.11	
	09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	47.56	
	09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	62.04	
	09 91	33 00-0058	GAL	Swimming Pool Rubber Base.....	42.54	
	09 91	33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	27.03	
	09 91	33 00-0060	GAL	Interior, Latex Semi-Gloss Enamel, 300 SF Per Gallon.....	30.28	
	09 91	33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	55.39	
	09 91	33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	18.76	
	09 91	33 00-0063	GAL	Linseed Oil.....	16.40	
	09 91	33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	26.88	
	09 91	33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	30.28	
	09 91	33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	27.70	
	09 91	33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	22.26	
	09 91	33 00-0068		Stain, Varnish <small>(09 91 33)</small>		
	09 91	33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	15.36	
	09 91	33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	28.66	
	09 91	33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	25.55	
	09 91	33 00-0072	GAL	Varnish, Clear.....	42.10	
	09 91	33 00-0073	GAL	Penetrating Water-Repellent Stain.....	30.58	
	09 91	33 00-0074	GAL	Redwood Hue Or Clear Stain.....	27.33	
	09 91	33 00-0075	GAL	Polyurethane.....	47.98	
	09 91	33 00-0076	GAL	Lacquer, Semi-Gloss.....	26.96	
	09 91	33 00-0077	GAL	Shellac, Clear.....	35.37	
	09 91	33 00-0078	GAL	Acetone.....	11.67	
	09 91	33 00-0079	GAL	Paint Thinner.....	2.88	
	09 91	33 00-0080	GAL	Shellac Or Lacquer Thinner.....	11.82	
	09 91	33 00-0081	GAL	Turpentine.....	16.25	
	09 91	33 00-0082	GAL	Wood Filler Paste.....	27.77	
	09 91	33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	22.16	
	09 91	43		Surface Preparation <small>(09 91)</small>		
				Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
	09 91	43 00-0001		Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small>		
				Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
	09 91	43 00-0002		Concrete And Masonry Surfaces <small>(09 91 43 00-0001)</small>		
	09 91	43 00-0003	SF	Calcimine Removal/Washing Concrete Or Masonry.....	0.36	
				For Up To 100, Add	0.23	
				For >100 To 250, Add	0.11	
				For >250 To 500, Add	0.05	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.03	
				For >15,000 To 30,000, Deduct	-0.05	
				For >30,000, Deduct	-0.07	
	09 91	43 00-0004	SF	Chemical Clean, Brush And Wash Concrete Or Masonry.....	0.57	
				For Up To 100, Add	0.37	
				For >100 To 250, Add	0.17	
				For >250 To 500, Add	0.07	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.05	
				For >15,000 To 30,000, Deduct	-0.08	
				For >30,000, Deduct	-0.11	
	09 91	43 00-0005	SF	Hand Scrape Concrete Or Masonry.....	0.59	
				For Up To 100, Add	0.44	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.06	
				For >15,000 To 30,000, Deduct	-0.09	
				For >30,000, Deduct	-0.12	
	09 91	43 00-0006	SF	Steam Clean Concrete Or Masonry.....	0.58	
				For Up To 100, Add	0.38	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.06	
				For >15,000 To 30,000, Deduct	-0.08	
				For >30,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0007 SF Up To 5,000 PSI, Pressure Wash Concrete Or Masonry.....	0.37	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0008 SF 10,000 To 12,000 PSI, Water Blast Concrete Or Masonry	1.07	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.21	
09 91 43 00-0009 SF 30,000 To 40,000 PSI, Water Blast Concrete Or Masonry	1.80	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.18	
For >15,000 To 30,000, Deduct	-0.27	
For >30,000, Deduct	-0.36	
09 91 43 00-0010 SF Sand Blasting Concrete Or Masonry.....	1.91	
For Heavy Condition Where Multiple Pass Is Required, Add	0.96	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.18	
For >15,000 To 30,000, Deduct	-0.28	
For >30,000, Deduct	-0.37	
09 91 43 00-0011 Metal Surfaces (09 91 43 00-0001)		
09 91 43 00-0012 SF Chemical Clean, Brush And Wash Metal Surface.....	0.57	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0013 SF Hand Scraping And Sanding, Metal Surface.....	0.59	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0014 SF Up To 5,000 PSI, Pressure Wash Metal Surface.....	0.36	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0015 SF Power Tool Cleaning, Metal Surface.....	1.02	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0016 SF Steam Cleaning, Metal Surface	0.35	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0017 SF Loose Mill Scale With Fine Powder, Commercial Blast Metal Surface.....	0.77	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0018 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast Metal Surface.....	1.04	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0019 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast Metal Surface.....	1.54	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.23	
For >30,000, Deduct	-0.30	
09 91 43 00-0020 SF Badly Pitted With Rust Nodules, Commercial Blast Metal Surface.....	2.56	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.24	
For >15,000 To 30,000, Deduct	-0.37	
For >30,000, Deduct	-0.50	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder Rust, Near White Blast Metal Surface.....	1.93	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.18	
For >15,000 To 30,000, Deduct	-0.28	
For >30,000, Deduct	-0.37	
09 91 43 00-0022 SF Tight Mill Scale Little Rust, Near White Blast Metal Surface.....	2.41	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.23	
For >15,000 To 30,000, Deduct	-0.35	
For >30,000, Deduct	-0.46	
09 91 43 00-0023 SF Exterior Coat Blistered Pitted Rust, Near White Blast Metal Surface.....	3.12	
For Up To 100, Add	2.00	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 15,000, Deduct	-0.29	
For >15,000 To 30,000, Deduct	-0.45	
For >30,000, Deduct	-0.60	
09 91 43 00-0024 SF Badly Pitted Rust Nodules, Near White Blast Metal Surface.....	3.90	
For Up To 100, Add	2.51	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.50	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 15,000, Deduct	-0.37	
For >15,000 To 30,000, Deduct	-0.57	
For >30,000, Deduct	-0.75	
09 91 43 00-0025 Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0026 SF Alkaline Cleaner, Brush And Wash Tile Surface.....	0.32	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.06	
09 91 43 00-0027 SF Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.25	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.04	
For >30,000, Deduct	-0.05	
09 91 43 00-0028 Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0029 SF Chemical Clean, Brush And Wash Wood Surface.....	0.45	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.09	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0030	SF		Hand Scrape Wood Surface	0.64	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0031	SF		Steam Clean Wood Surface	0.57	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0032	SF		Up To 5,000 PSI, Pressure Wash Wood Surface	0.39	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0033	SF		Sanding Wood Paneling, Boards, Doors, Etcetera	0.67	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0034	SF		Sanding Wood Trim	0.90	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.18	
09 91 43 00-0035	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.04	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 91 43 00-0036	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat	0.58	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0037	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat	0.68	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0038			Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0039	SF		Hand Wash Vinyl Siding	0.51	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.10	
09 91 43 00-0040	SF		Up To 5,000 PSI, Pressure Wash Vinyl Siding	0.32	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0041	SF		Steam Clean Vinyl Siding	0.60	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0042			Prep Work (09 91 43 00-0001)		
09 91 43 00-0043	SF		Citrus Strip, Single Applications.....	0.84	
09 91 43 00-0044			Plaster/Stucco (09 91 43 00-0001)		
			Note: Based on total project quantity.		
09 91 43 00-0045	SF		Up To 5,000 PSI, Pressure Wash Stucco.....	0.43	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0046			Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0047	SF		Flat Surfaces, Paint Removal, Strip To Bare Wood.....	5.93	
09 91 43 00-0048	SF		Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	6.32	
09 96			High-Performance Coatings (09 90)		
09 96 23			Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001			Anti-Graffiti Painting (09 96 23)		
09 96 23 00-0002	SF		Anti-Graffiti Coating System, One Coat, Concrete Surface	1.46	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
09 96 23 00-0003	SF		Anti-Graffiti Coating System, One Coat, Brick Or Block.....	1.49	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
09 96 23 00-0004	SF		Anti-Graffiti Coating System, One Coat, Tile.....	1.25	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 96 23 00-0005	SF		Anti-Graffiti Coating System, One Coat, Metal Or Steel	1.21	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 96 23 00-0006	SF		Anti-Graffiti Coating System, One Coat, Wood.....	1.46	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
09 96 23 00-0007	SF		Anti-Graffiti Coating System, One Coat, Painted Surface.....	1.32	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 96 23 00-0008	SF		Anti-Graffiti Coating System, Two Coats, Concrete Surface.....	2.76	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
09 96 23 00-0009	SF		Anti-Graffiti Coating System, Two Coats, Brick Or Block.....	2.83	
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 96 23 00-0010	SF		Anti-Graffiti Coating System, Two Coats, Tile.....	2.34	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 96 23 00-0011	SF		Anti-Graffiti Coating System, Two Coats, Metal Or Steel.....	2.27	
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
09 96 23 00-0012	SF		Anti-Graffiti Coating System, Two Coats, Wood	2.72	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.29	
09 96 23 00-0013	SF		Anti-Graffiti Coating System, Two Coats, Painted Surface.....	2.48	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.28	

09 Finishes**09 90 Painting And Coating****09 96 High-Performance Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
09 96 35 Chemical-Resistant Coatings (09 96)

09 96 35 00-0001	Sanitile Wall For Interior Wall Systems (09 96 35)		
09 96 35 00-0002	Sanitile 550 System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0003	SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.83	1.65
09 96 35 00-0004	SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.52	1.65
09 96 35 00-0005	Sanitile System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0006	SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.77	1.72
09 96 35 00-0007	SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.46	1.72

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001	Elastomeric (09 96 53)		
	Note: Per coat.		
09 96 53 00-0002	SF Paint, Brush, Elastomeric, Per Coat.....	1.90	
	For Work >20', Add	0.32	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	1.06	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	
09 96 53 00-0003	SF Paint, Roller, Elastomeric, Per Coat.....	1.51	
	For Work >20', Add	0.23	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	
09 96 53 00-0004	SF Paint, Conventional Spray, Elastomeric, Per Coat.....	1.46	
	For Work >20', Add	0.19	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 96 53 00-0005	SF Paint, Airless Spray, Elastomeric, Per Coat.....	1.32	
	For Work >20', Add	0.15	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001	High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF High Build Epoxy - 50 Mil.....	2.44	
09 96 56 00-0003	Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF Laminated Epoxy With Fiberglass.....	4.40	

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001	Troweled On (09 96 66)		
09 96 66 00-0002	SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.29	
09 96 66 00-0003	SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	5.89	
09 96 66 00-0004	SF Exposed Aggregate - 1" Troweled On.....	8.79	
09 96 66 00-0005	Sprayed On (09 96 66)		
09 96 66 00-0006	SF Exposed Aggregate - 1/8" - Sprayed On.....	2.67	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 Special Coatings (09 90)

09 97 13 Steel Coatings (09 97)

09 97 13 23 Exterior Steel Coatings (09 97 13)

09 97 13 23-0001	Surface Preparation For Tanks And Structural Steel (09 97 13 23)		
	Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0002	SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0003	SF Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.21	
	For Up To 100, Add	0.91	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
09 97 13 23-0004	SF Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.17	
09 97 13 23-0005	SF Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.17	
09 97 13 23-0006	SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.17	
09 97 13 23-0007	SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.03	
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.15	
09 97 13 23-0008	SF Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.57	
	For Up To 100, Add	1.18	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
09 97 13 23-0009	SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.45	
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
09 97 13 23-0010	SSPC SP7 Brush Off Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0011	SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.88	
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
09 97 13 23-0012	SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.77	
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
09 97 13 23-0013	SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.76	
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
09 97 13 23-0014	SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.74	
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
09 97 13 23-0015	SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.60	
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
09 97 13 23-0016	SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.09	
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
09 97 13 23-0017	SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.04	
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
09 97 13 23-0018	SSPC SP6 Commercial Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0019	SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.25	
	For Up To 100, Add	1.60	
	For >100 To 250, Add	0.75	
	For >250 To 500, Add	0.32	
09 97 13 23-0020	SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.96	
	For Up To 100, Add	1.39	
	For >100 To 250, Add	0.65	
	For >250 To 500, Add	0.28	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.81	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0022	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	1.81	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0023	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.66	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0024	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	2.82	
			For Up To 100, Add	2.03	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.41	
09 97 13 23-0025	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.43	
			For Up To 100, Add	1.74	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.35	
09 97 13 23-0026			SSPC SP5 White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0027	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.37	
			For Up To 100, Add	3.13	
			For >100 To 250, Add	1.47	
			For >250 To 500, Add	0.63	
09 97 13 23-0028	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.74	
			For Up To 100, Add	2.67	
			For >100 To 250, Add	1.25	
			For >250 To 500, Add	0.54	
09 97 13 23-0029	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.43	
			For Up To 100, Add	2.44	
			For >100 To 250, Add	1.15	
			For >250 To 500, Add	0.49	
09 97 13 23-0030	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.26	
			For Up To 100, Add	2.32	
			For >100 To 250, Add	1.09	
			For >250 To 500, Add	0.47	
09 97 13 23-0031	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.12	
			For Up To 100, Add	2.21	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.45	
09 97 13 23-0032	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.28	
			For Up To 100, Add	3.82	
			For >100 To 250, Add	1.79	
			For >250 To 500, Add	0.77	
09 97 13 23-0033	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	4.57	
			For Up To 100, Add	3.30	
			For >100 To 250, Add	1.55	
			For >250 To 500, Add	0.66	
09 97 13 23-0034			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0035	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.24	
			For Up To 100, Add	2.32	
			For >100 To 250, Add	1.09	
			For >250 To 500, Add	0.47	
09 97 13 23-0036	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.77	
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
09 97 13 23-0037	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.62	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
09 97 13 23-0038	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.61	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
09 97 13 23-0039	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.61	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
09 97 13 23-0040	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.84	
			For Up To 100, Add	2.78	
			For >100 To 250, Add	1.30	
			For >250 To 500, Add	0.56	
09 97 13 23-0041	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.83	
			For Up To 100, Add	2.78	
			For >100 To 250, Add	1.30	
			For >250 To 500, Add	0.56	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0042 Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small> Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0043 1.5 Mil Prime Coat For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.83	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.62	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.54	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 97 13 23-0047 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.48	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
09 97 13 23-0048 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.39	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 97 13 23-0049 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.00	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0050 SF Spray Tank Interior 1.5 Mil Prime Coat.....	0.94	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 23-0051 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.28	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0052 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.93	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 23-0053 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.82	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0054 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.72	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0055 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 23-0056 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.54	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
09 97 13 23-0057 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.47	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0058 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0059 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.44	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
09 97 13 23-0060 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.74	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0061 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.61	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
09 97 13 23-0062 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.39	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	

09 Finishes**09 90 Painting And Coating**

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0063	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.06	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
09 97	13 23-0064	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.99	
			<i>For Up To 100, Add</i>	2.06	
			<i>For >100 To 250, Add</i>	0.97	
			<i>For >250 To 500, Add</i>	0.42	
09 97	13 23-0065	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.67	
			<i>For Up To 100, Add</i>	1.85	
			<i>For >100 To 250, Add</i>	0.87	
			<i>For >250 To 500, Add</i>	0.37	
09 97	13 23-0066	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.83	
			<i>For Up To 100, Add</i>	1.24	
			<i>For >100 To 250, Add</i>	0.59	
			<i>For >250 To 500, Add</i>	0.25	
09 97	13 23-0067	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.30	
			<i>For Up To 100, Add</i>	0.86	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
09 97	13 23-0068	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.20	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
09 97	13 23-0069	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.05	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
09 97	13 23-0070	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.80	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
09 97	13 23-0071	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.24	
			<i>For Up To 100, Add</i>	1.54	
			<i>For >100 To 250, Add</i>	0.73	
			<i>For >250 To 500, Add</i>	0.31	
09 97	13 23-0072	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.00	
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.65	
			<i>For >250 To 500, Add</i>	0.28	
09 97	13 23-0073	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.05	
			<i>For Up To 100, Add</i>	2.86	
			<i>For >100 To 250, Add</i>	1.34	
			<i>For >250 To 500, Add</i>	0.58	
09 97	13 23-0074	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.84	
			<i>For Up To 100, Add</i>	1.97	
			<i>For >100 To 250, Add</i>	0.93	
			<i>For >250 To 500, Add</i>	0.40	
09 97	13 23-0075	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.61	
			<i>For Up To 100, Add</i>	1.80	
			<i>For >100 To 250, Add</i>	0.85	
			<i>For >250 To 500, Add</i>	0.36	
09 97	13 23-0076	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.25	
			<i>For Up To 100, Add</i>	1.53	
			<i>For >100 To 250, Add</i>	0.72	
			<i>For >250 To 500, Add</i>	0.31	
09 97	13 23-0077	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.67	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.22	
09 97	13 23-0078	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.99	
			<i>For Up To 100, Add</i>	3.56	
			<i>For >100 To 250, Add</i>	1.67	
			<i>For >250 To 500, Add</i>	0.72	
09 97	13 23-0079	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.47	
			<i>For Up To 100, Add</i>	3.20	
			<i>For >100 To 250, Add</i>	1.50	
			<i>For >250 To 500, Add</i>	0.64	
09 97	13 23-0080	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.02	
			<i>For Up To 100, Add</i>	2.13	
			<i>For >100 To 250, Add</i>	1.00	
			<i>For >250 To 500, Add</i>	0.43	
09 97	13 23-0081	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.13	
			<i>For Up To 100, Add</i>	1.48	
			<i>For >100 To 250, Add</i>	0.70	
			<i>For >250 To 500, Add</i>	0.30	
09 97	13 23-0082	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.96	
			<i>For Up To 100, Add</i>	1.35	
			<i>For >100 To 250, Add</i>	0.64	
			<i>For >250 To 500, Add</i>	0.27	
09 97	13 23-0083	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.69	
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 250, Add</i>	0.54	
			<i>For >250 To 500, Add</i>	0.23	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0084 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.25	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0085 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.74	
For Up To 100, Add	2.67	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 23-0086 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.36	
For Up To 100, Add	2.40	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.48	
09 97 13 23-0087 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0088 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.89	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 23-0089 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.54	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0090 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.40	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0091 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.26	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0092 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.05	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0093 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.36	
For Up To 100, Add	1.64	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0094 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.79	
For Up To 100, Add	1.98	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0095 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.21	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0096 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.98	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 23-0097 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.90	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 23-0098 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.81	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0099 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.68	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 23-0100 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.51	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0101 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.79	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0102 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.89	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 23-0103 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.33	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0104 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.12	
For Up To 100, Add	1.47	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0105	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.90	
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 23-0106	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.58	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0107	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.64	
			For Up To 100, Add	2.60	
			For >100 To 250, Add	1.22	
			For >250 To 500, Add	0.52	
09 97 13 23-0108	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	4.68	
			For Up To 100, Add	3.44	
			For >100 To 250, Add	1.61	
			For >250 To 500, Add	0.69	
09 97 13 23-0109	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.85	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
09 97 13 23-0110	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.50	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 23-0111	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.36	
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0112	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.22	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
09 97 13 23-0113	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.00	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 23-0114	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.33	
			For Up To 100, Add	1.66	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
09 97 13 23-0115	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.04	
			For Up To 100, Add	2.21	
			For >100 To 250, Add	1.03	
			For >250 To 500, Add	0.44	
09 97 13 23-0116			2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0117	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.01	
			For Up To 100, Add	1.90	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
09 97 13 23-0118	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.16	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 23-0119	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.89	
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
09 97 13 23-0120	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.73	
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	
09 97 13 23-0121	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.47	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97 13 23-0122	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.43	
			For Up To 100, Add	2.20	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.45	
09 97 13 23-0123	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.11	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
09 97 13 23-0124	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.50	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0125	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.32	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0126	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.21	
				For Up To 100, Add	0.69	
				For >100 To 250, Add	0.33	
				For >250 To 500, Add	0.14	
09 97	13 23-0127	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.03	
				For Up To 100, Add	0.55	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
09 97	13 23-0128	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.41	
				For Up To 100, Add	1.54	
				For >100 To 250, Add	0.73	
				For >250 To 500, Add	0.32	
09 97	13 23-0129			2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97	13 23-0130	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.18	
				For Up To 100, Add	1.92	
				For >100 To 250, Add	0.92	
				For >250 To 500, Add	0.40	
09 97	13 23-0131	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.31	
				For Up To 100, Add	1.31	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.28	
09 97	13 23-0132	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.04	
				For Up To 100, Add	1.11	
				For >100 To 250, Add	0.54	
				For >250 To 500, Add	0.24	
09 97	13 23-0133	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.88	
				For Up To 100, Add	1.00	
				For >100 To 250, Add	0.49	
				For >250 To 500, Add	0.21	
09 97	13 23-0134	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.62	
				For Up To 100, Add	0.81	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.18	
09 97	13 23-0135	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.61	
				For Up To 100, Add	2.23	
				For >100 To 250, Add	1.06	
				For >250 To 500, Add	0.46	
09 97	13 23-0136	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.61	
				For Up To 100, Add	1.58	
				For >100 To 250, Add	0.76	
				For >250 To 500, Add	0.33	
09 97	13 23-0137	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.90	
				For Up To 100, Add	1.08	
				For >100 To 250, Add	0.52	
				For >250 To 500, Add	0.23	
09 97	13 23-0138	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.68	
				For Up To 100, Add	0.91	
				For >100 To 250, Add	0.44	
				For >250 To 500, Add	0.19	
09 97	13 23-0139	SF		Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.55	
				For Up To 100, Add	0.83	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.18	
09 97	13 23-0140	SF		Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.33	
				For Up To 100, Add	0.66	
				For >100 To 250, Add	0.33	
				For >250 To 500, Add	0.14	
09 97	13 23-0141	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	2.96	
				For Up To 100, Add	1.83	
				For >100 To 250, Add	0.87	
				For >250 To 500, Add	0.38	
09 97	13 23-0142			1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97	13 23-0143	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.70	
				For Up To 100, Add	4.14	
				For >100 To 250, Add	1.98	
				For >250 To 500, Add	0.86	
09 97	13 23-0144	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.00	
				For Up To 100, Add	2.95	
				For >100 To 250, Add	1.42	
				For >250 To 500, Add	0.62	
09 97	13 23-0145	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.81	
				For Up To 100, Add	2.81	
				For >100 To 250, Add	1.35	
				For >250 To 500, Add	0.59	
09 97	13 23-0146	SF		Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.64	
				For Up To 100, Add	2.71	
				For >100 To 250, Add	1.30	
				For >250 To 500, Add	0.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0147 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.23	
For Up To 100, Add	2.40	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.51	
09 97 13 23-0148 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.86	
For Up To 100, Add	4.99	
For >100 To 250, Add	2.37	
For >250 To 500, Add	1.03	
09 97 13 23-0149 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.31	
For Up To 100, Add	4.71	
For >100 To 250, Add	2.24	
For >250 To 500, Add	0.97	
09 97 13 23-0150 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0151 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.45	
For Up To 100, Add	2.00	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.42	
09 97 13 23-0152 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 23-0153 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.50	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
09 97 13 23-0154 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.36	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 23-0155 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.06	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 23-0156 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.95	
For Up To 100, Add	2.36	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0157 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.67	
For Up To 100, Add	2.24	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.46	
09 97 13 23-0158 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.73	
For Up To 100, Add	1.59	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 23-0159 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.09	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 23-0160 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.98	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0161 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.86	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0162 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.63	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 23-0163 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.13	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
09 97 13 23-0164 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	2.90	
For Up To 100, Add	1.77	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0165 Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0166 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.03	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0167 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.45	
For Up To 100, Add	1.53	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0168 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.25	
<i>For Up To 100, Add</i>	1.38	
<i>For >100 To 250, Add</i>	0.66	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0169 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.23	
<i>For Up To 100, Add</i>	1.38	
<i>For >100 To 250, Add</i>	0.66	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0170 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.83	
<i>For Up To 100, Add</i>	1.08	
<i>For >100 To 250, Add</i>	0.52	
<i>For >250 To 500, Add</i>	0.23	
09 97 13 23-0171 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	3.78	
<i>For Up To 100, Add</i>	2.49	
<i>For >100 To 250, Add</i>	1.18	
<i>For >250 To 500, Add</i>	0.51	
09 97 13 23-0172 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	2.90	
<i>For Up To 100, Add</i>	1.88	
<i>For >100 To 250, Add</i>	0.89	
<i>For >250 To 500, Add</i>	0.39	
09 97 13 23-0173 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0174 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.96	
<i>For Up To 100, Add</i>	1.97	
<i>For >100 To 250, Add</i>	0.93	
<i>For >250 To 500, Add</i>	0.40	
09 97 13 23-0175 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.07	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 250, Add</i>	0.62	
<i>For >250 To 500, Add</i>	0.27	
09 97 13 23-0176 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.74	
<i>For Up To 100, Add</i>	1.07	
<i>For >100 To 250, Add</i>	0.51	
<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0177 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.51	
<i>For Up To 100, Add</i>	0.90	
<i>For >100 To 250, Add</i>	0.43	
<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0178 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.38	
<i>For Up To 100, Add</i>	0.81	
<i>For >100 To 250, Add</i>	0.39	
<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0179 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.39	
<i>For Up To 100, Add</i>	2.27	
<i>For >100 To 250, Add</i>	1.07	
<i>For >250 To 500, Add</i>	0.46	
09 97 13 23-0180 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.39	
<i>For Up To 100, Add</i>	1.56	
<i>For >100 To 250, Add</i>	0.74	
<i>For >250 To 500, Add</i>	0.32	
09 97 13 23-0181 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 23-0042)		
09 97 13 23-0182 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.40	
<i>For Up To 100, Add</i>	2.12	
<i>For >100 To 250, Add</i>	1.01	
<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0183 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	1.99	
<i>For Up To 100, Add</i>	1.10	
<i>For >100 To 250, Add</i>	0.53	
<i>For >250 To 500, Add</i>	0.23	
09 97 13 23-0184 One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0185 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.51	
<i>For Up To 100, Add</i>	0.87	
<i>For >100 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.18	
09 97 13 23-0186 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.07	
<i>For Up To 100, Add</i>	0.56	
<i>For >100 To 250, Add</i>	0.27	
<i>For >250 To 500, Add</i>	0.12	
09 97 13 23-0187 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.00	
<i>For Up To 100, Add</i>	0.51	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0188 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.93	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0189 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.89	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 23-0190 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.58	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0191 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.52	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 23-0192 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
Note: Installed over existing primer.		
09 97 13 23-0193 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.38	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0194 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.93	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0195 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.66	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0196 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.58	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0197 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.39	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 23-0198 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.80	
For Up To 100, Add	1.78	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0199 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.25	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 23-0200 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 23-0042)		
09 97 13 23-0201 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	6.00	
For Up To 100, Add	3.95	
For >100 To 250, Add	1.87	
For >250 To 500, Add	0.81	
09 97 26 Cementitious Coatings (09 97)		
09 97 26 13 Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.16	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin	1.76	
09 97 63 Special Coatings (09 97)		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.36	

END OF SECTION 09



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 14 Signage ^(10 10)

10 14 53 Traffic Signage ^(10 14)

10 14 53 00-0001 Traffic Signs ^(10 14 53)

10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs ^(10 14 53 00-0001)

Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs ^(10 14 53 00-0002)

10 14 53 00-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	51.37		14.96
	For Hi-Intensity Grade, Add	6.44		
	For Diamond Grade, Add	12.23		
10 14 53 00-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	59.63		15.82
	For Hi-Intensity Grade, Add	8.42		
	For Diamond Grade, Add	15.99		
10 14 53 00-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	64.60		16.62
	For Hi-Intensity Grade, Add	12.85		
	For Diamond Grade, Add	20.38		
10 14 53 00-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	75.05		17.49
	For Hi-Intensity Grade, Add	4.82		
	For Diamond Grade, Add	26.10		
10 14 53 00-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	100.92		18.28
	For Hi-Intensity Grade, Add	14.16		
	For Diamond Grade, Add	44.40		

10 14 53 00-0009 Other ReflectORIZED Traffic Signs ^(10 14 53 00-0002)

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs ^(10 14 53 00-0009)

10 14 53 00-0011	EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	31.91		13.29
	For Hi-Intensity Grade, Add	1.59		
10 14 53 00-0012	EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	34.57		13.29
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0013	EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	34.57		13.29
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0014	EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	36.56		13.29
	For Hi-Intensity Grade, Add	2.99		
10 14 53 00-0015	EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	38.56		13.29
	For Hi-Intensity Grade, Add	3.59		
10 14 53 00-0016	EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	44.20		14.13
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0017	EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	60.14		14.13
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0018	EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	37.23		13.29
	For Hi-Intensity Grade, Add	3.19		
10 14 53 00-0019	EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	44.20		14.13
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0020	EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	49.51		14.13
	For Hi-Intensity Grade, Add	6.38		
10 14 53 00-0021	EA 12" x 30" Aluminum Engineer Grade Traffic Sign.....	54.83		14.13
	For Hi-Intensity Grade, Add	7.97		
10 14 53 00-0022	EA 12" x 36" Aluminum Engineer Grade Traffic Sign.....	60.14		14.13
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0023	EA 18" x 18" Aluminum Engineer Grade Traffic Sign.....	52.17		14.13
	For Hi-Intensity Grade, Add	7.17		
10 14 53 00-0024	EA 18" x 24" Aluminum Engineer Grade Traffic Sign.....	60.14		14.13
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0025	EA 18" x 30" Aluminum Engineer Grade Traffic Sign.....	69.77		14.96
	For Hi-Intensity Grade, Add	11.96		
10 14 53 00-0026	EA 18" x 36" Aluminum Engineer Grade Traffic Sign.....	77.74		14.96
	For Hi-Intensity Grade, Add	14.35		
10 14 53 00-0027	EA 18" x 48" Aluminum Engineer Grade Traffic Sign.....	100.33		18.28
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0028	EA 18" x 54" Aluminum Engineer Grade Traffic Sign.....	108.30		18.28
	For Hi-Intensity Grade, Add	21.52		
10 14 53 00-0029	EA 24" x 24" Aluminum Engineer Grade Traffic Sign.....	72.43		14.96
	For Hi-Intensity Grade, Add	12.75		
10 14 53 00-0030	EA 24" x 30" Aluminum Engineer Grade Traffic Sign.....	83.06		14.96
	For Hi-Intensity Grade, Add	15.94		
10 14 53 00-0031	EA 24" x 36" Aluminum Engineer Grade Traffic Sign.....	93.68		14.96
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0032	EA 24" x 42" Aluminum Engineer Grade Traffic Sign.....	110.96		18.28
	For Hi-Intensity Grade, Add	22.32		
10 14 53 00-0033	EA 24" x 48" Aluminum Engineer Grade Traffic Sign.....	121.59		18.28
	For Hi-Intensity Grade, Add	25.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.21 28.69	18.28
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	142.84 31.88	18.28
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	96.34 19.93	14.96
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	116.27 23.91	18.28
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	129.56 27.90	18.28
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	149.49 31.88	21.61
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	182.70 39.85	24.93
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.21 28.69	18.28
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	154.81 33.48	21.61
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	177.39 38.26	24.93
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	193.33 43.04	24.93
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	215.93 47.82	28.26
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	257.12 58.19	31.58
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	270.40 62.17	31.58
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	360.07 86.08	36.57
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	180.04 39.05	24.93
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	226.56 51.01	28.26
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	254.46 57.39	31.58
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	275.71 63.76	31.58
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	306.94 70.14	36.57
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	328.19 76.52	36.57
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	377.35 89.27	39.89
10 14 53 00-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	419.86 102.02	39.89
10 14 53 00-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	441.11 108.40	39.89
10 14 53 00-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	465.69 114.77	41.56
10 14 53 00-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	398.61 95.65	39.89
10 14 53 00-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	871.54 229.55	53.19
10 14 53 00-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	635.72 165.78	41.56
10 14 53 00-0062 Non-Reflectorized Traffic Signs <small>(10 14 53 00-0001)</small> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs <small>(10 14 53 00-0062)</small>		
10 14 53 00-0064 EA 6" x 12" Steel Non Reflectorized Traffic Sign	31.19	13.29
10 14 53 00-0065 EA 6" x 18" Steel Non Reflectorized Traffic Sign	33.49	13.29
10 14 53 00-0066 EA 9" x 12" Steel Non Reflectorized Traffic Sign	33.49	13.29
10 14 53 00-0067 EA 9" x 15" Steel Non Reflectorized Traffic Sign	35.21	13.29
10 14 53 00-0068 EA 9" x 18" Steel Non Reflectorized Traffic Sign	36.94	13.29
10 14 53 00-0069 EA 9" x 24" Steel Non Reflectorized Traffic Sign	42.04	14.13
10 14 53 00-0070 EA 9" x 48" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0071 EA 12" x 12" Steel Non Reflectorized Traffic Sign	35.79	13.29
10 14 53 00-0072 EA 12" x 18" Steel Non Reflectorized Traffic Sign	42.04	14.13
10 14 53 00-0073 EA 12" x 24" Steel Non Reflectorized Traffic Sign	46.63	14.13
10 14 53 00-0074 EA 12" x 30" Steel Non Reflectorized Traffic Sign	51.23	14.13
10 14 53 00-0075 EA 12" x 36" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0076 EA 18" x 18" Steel Non Reflectorized Traffic Sign	48.93	14.13
10 14 53 00-0077 EA 18" x 24" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0078 EA 18" x 30" Steel Non Reflectorized Traffic Sign	64.37	14.96
10 14 53 00-0079 EA 18" x 36" Steel Non Reflectorized Traffic Sign	71.26	14.96
10 14 53 00-0080 EA 18" x 48" Steel Non Reflectorized Traffic Sign	91.69	18.28
10 14 53 00-0081 EA 18" x 54" Steel Non Reflectorized Traffic Sign	98.58	18.28
10 14 53 00-0082 EA 24" x 24" Steel Non Reflectorized Traffic Sign	66.67	14.96
10 14 53 00-0083 EA 24" x 30" Steel Non Reflectorized Traffic Sign	75.86	14.96
10 14 53 00-0084 EA 24" x 36" Steel Non Reflectorized Traffic Sign	85.04	14.96



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0085 EA 24" x 42" Steel Non ReflectORIZED Traffic Sign.....	100.88	18.28
10 14 53 00-0086 EA 24" x 48" Steel Non ReflectORIZED Traffic Sign.....	110.07	18.28
10 14 53 00-0087 EA 24" x 54" Steel Non ReflectORIZED Traffic Sign.....	119.25	18.28
10 14 53 00-0088 EA 24" x 60" Steel Non ReflectORIZED Traffic Sign.....	128.44	18.28
10 14 53 00-0089 EA 30" x 30" Steel Non ReflectORIZED Traffic Sign.....	87.34	14.96
10 14 53 00-0090 EA 30" x 36" Steel Non ReflectORIZED Traffic Sign.....	105.47	18.28
10 14 53 00-0091 EA 30" x 42" Steel Non ReflectORIZED Traffic Sign.....	116.96	18.28
10 14 53 00-0092 EA 30" x 48" Steel Non ReflectORIZED Traffic Sign.....	135.09	21.61
10 14 53 00-0093 EA 30" x 60" Steel Non ReflectORIZED Traffic Sign.....	164.70	24.93
10 14 53 00-0094 EA 36" x 36" Steel Non ReflectORIZED Traffic Sign.....	119.25	18.28
10 14 53 00-0095 EA 36" x 42" Steel Non ReflectORIZED Traffic Sign.....	139.69	21.61
10 14 53 00-0096 EA 36" x 48" Steel Non ReflectORIZED Traffic Sign.....	160.11	24.93
10 14 53 00-0097 EA 36" x 54" Steel Non ReflectORIZED Traffic Sign.....	173.89	24.93
10 14 53 00-0098 EA 36" x 60" Steel Non ReflectORIZED Traffic Sign.....	194.33	28.26
10 14 53 00-0099 EA 36" x 73" Steel Non ReflectORIZED Traffic Sign.....	230.84	31.58
10 14 53 00-0100 EA 36" x 78" Steel Non ReflectORIZED Traffic Sign.....	242.32	31.58
10 14 53 00-0101 EA 36" x 108" Steel Non ReflectORIZED Traffic Sign.....	321.19	36.57
10 14 53 00-0102 EA 42" x 42" Steel Non ReflectORIZED Traffic Sign.....	162.40	24.93
10 14 53 00-0103 EA 48" x 48" Steel Non ReflectORIZED Traffic Sign.....	203.52	28.26
10 14 53 00-0104 EA 48" x 54" Steel Non ReflectORIZED Traffic Sign.....	228.54	31.58
10 14 53 00-0105 EA 48" x 60" Steel Non ReflectORIZED Traffic Sign.....	246.91	31.58
10 14 53 00-0106 EA 48" x 66" Steel Non ReflectORIZED Traffic Sign.....	275.26	36.57
10 14 53 00-0107 EA 48" x 72" Steel Non ReflectORIZED Traffic Sign.....	293.63	36.57
10 14 53 00-0108 EA 48" x 84" Steel Non ReflectORIZED Traffic Sign.....	337.03	39.89
10 14 53 00-0109 EA 48" x 96" Steel Non ReflectORIZED Traffic Sign.....	373.78	39.89
10 14 53 00-0110 EA 48" x 102" Steel Non ReflectORIZED Traffic Sign.....	392.15	39.89
10 14 53 00-0111 EA 48" x 108" Steel Non ReflectORIZED Traffic Sign.....	413.85	41.56
10 14 53 00-0112 EA 60" x 72" Steel Non ReflectORIZED Traffic Sign.....	355.41	39.89
10 14 53 00-0113 EA 72" x 144" Steel Non ReflectORIZED Traffic Sign.....	767.86	53.19
10 14 53 00-0114 EA 78" x 96" Steel Non ReflectORIZED Traffic Sign.....	560.84	41.56

10 14 53 00-0115 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 00-0062)

10 14 53 00-0116 EA 6" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	31.38	13.29
10 14 53 00-0117 EA 6" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	33.77	13.29
10 14 53 00-0118 EA 9" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	33.77	13.29
10 14 53 00-0119 EA 9" x 15" Aluminum Non ReflectORIZED Traffic Sign.....	35.56	13.29
10 14 53 00-0120 EA 9" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	37.36	13.29
10 14 53 00-0121 EA 9" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	42.60	14.13
10 14 53 00-0122 EA 9" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0123 EA 12" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	36.16	13.29
10 14 53 00-0124 EA 12" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	42.60	14.13
10 14 53 00-0125 EA 12" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	47.38	14.13
10 14 53 00-0126 EA 12" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	52.16	14.13
10 14 53 00-0127 EA 12" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0128 EA 18" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	49.77	14.13
10 14 53 00-0129 EA 18" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0130 EA 18" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	65.78	14.96
10 14 53 00-0131 EA 18" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	72.95	14.96
10 14 53 00-0132 EA 18" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	93.94	18.28
10 14 53 00-0133 EA 18" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	101.11	18.28
10 14 53 00-0134 EA 24" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	68.17	14.96
10 14 53 00-0135 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	77.73	14.96
10 14 53 00-0136 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	87.29	14.96
10 14 53 00-0137 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	103.50	18.28
10 14 53 00-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	113.06	18.28
10 14 53 00-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	122.62	18.28
10 14 53 00-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	132.19	18.28
10 14 53 00-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	89.68	14.96
10 14 53 00-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	108.28	18.28
10 14 53 00-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	120.23	18.28
10 14 53 00-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	138.84	21.61
10 14 53 00-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	169.38	24.93
10 14 53 00-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	122.62	18.28
10 14 53 00-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	143.62	21.61
10 14 53 00-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	164.60	24.93
10 14 53 00-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	178.94	24.93
10 14 53 00-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	199.94	28.26
10 14 53 00-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	237.67	31.58
10 14 53 00-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	249.62	31.58
10 14 53 00-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	331.30	36.57
10 14 53 00-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	166.99	24.93
10 14 53 00-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	209.51	28.26
10 14 53 00-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	235.28	31.58
10 14 53 00-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	254.40	31.58
10 14 53 00-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	283.50	36.57
10 14 53 00-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	302.62	36.57
10 14 53 00-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	347.51	39.89
10 14 53 00-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	385.76	39.89
10 14 53 00-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	404.88	39.89
10 14 53 00-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	427.33	41.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0164 EA 60" x 72" Aluminum Non Reflectorized Traffic Sign	366.64	39.89
10 14 53 00-0165 EA 72" x 144" Aluminum Non Reflectorized Traffic Sign	794.82	53.19
10 14 53 00-0166 EA 78" x 96" Aluminum Non Reflectorized Traffic Sign	580.31	41.56
10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001) Note: Excludes posts.		
10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)		
10 14 53 00-0169 EA 6" High, Aluminum Engineer Grade Street Sign	57.23	6.65
10 14 53 00-0170 EA 8" High, Aluminum Engineer Grade Street Sign	64.99	6.65
10 14 53 00-0171 EA 9" High, Aluminum Engineer Grade Street Sign	70.77	6.65
10 14 53 00-0172 Street Sign Accessories (10 14 53 00-0167)		
10 14 53 00-0173 EA Post Cap And Single Bracket For Street Sign.....	17.22	3.32
10 14 53 00-0174 EA Post Cap And Double Bracket For Street Sign	17.22	3.32
10 14 53 00-0175 Sign Posts (10 14 53 00-0001) Note: Excludes sign. See CSI section 32 31 13 00-0001 for auguring of holes and backfill.		
10 14 53 00-0176 U-Channel Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0177 Baked Enamel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	45.45	13.55
10 14 53 00-0179 EA 6' Baked Enamel U-Channel Sign Post.....	59.69	16.95
10 14 53 00-0180 EA 7' Baked Enamel U-Channel Sign Post.....	71.26	20.33
10 14 53 00-0181 EA 8' Baked Enamel U-Channel Sign Post.....	83.44	23.72
10 14 53 00-0182 EA 10' Baked Enamel U-Channel Sign Post.....	100.67	28.81
10 14 53 00-0183 EA 12' Baked Enamel U-Channel Sign Post.....	103.61	28.81
10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	49.23	13.55
10 14 53 00-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	65.69	16.95
10 14 53 00-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	84.83	20.33
10 14 53 00-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	98.44	23.72
10 14 53 00-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	111.59	28.81
10 14 53 00-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	113.11	28.81
10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	44.56	13.55
10 14 53 00-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	57.75	16.95
10 14 53 00-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	68.92	20.33
10 14 53 00-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.65	23.72
10 14 53 00-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	95.61	28.81
10 14 53 00-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	100.61	28.81
10 14 53 00-0198 Tubular Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0198)		
10 14 53 00-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	66.31	16.95
10 14 53 00-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	78.67	20.33
10 14 53 00-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	92.94	23.72
10 14 53 00-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	119.80	28.81
10 14 53 00-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	130.10	28.81
10 14 53 00-0205 Square Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0206 Galvanized Steel Square Sign Posts (10 14 53 00-0205)		
10 14 53 00-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	50.07	13.55
10 14 53 00-0208 EA 6' Galvanized Steel Square Sign Post	79.90	16.95
10 14 53 00-0209 EA 7' Galvanized Steel Square Sign Post	93.67	20.33
10 14 53 00-0210 EA 8' Galvanized Steel Square Sign Post	109.26	23.72
10 14 53 00-0211 EA 10' Galvanized Steel Square Sign Post	133.42	28.81
10 14 53 00-0212 EA 12' Galvanized Steel Square Sign Post	140.61	28.81
10 14 53 00-0213 Other Sign Posts And Bases (10 14 53 00-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 00-0214 2.5 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0215 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts (10 14 53 00-0214)		
10 14 53 00-0216 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	59.44	16.62



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0217 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	32.84	13.29
10 14 53 00-0218 Breakaway Sign Posts, 2.5 LB/LF (10 14 53 00-0214)		
10 14 53 00-0219 LF 2.5 LB/LF Breakaway Sign Post.....	6.49	1.67
10 14 53 00-0220 4 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0221 Base Posts, 4 LB/LF, For Breakaway Sign Posts (10 14 53 00-0220)		
10 14 53 00-0222 EA Base Post For 4 LB/LF Breakaway Sign Post.....	61.61	19.95
10 14 53 00-0223 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	32.84	13.29
10 14 53 00-0224 Breakaway Sign Posts, 4 LB/LF (10 14 53 00-0220)		
10 14 53 00-0225 LF 4 LB/LF Breakaway Sign Post.....	7.84	1.67
10 14 53 00-0226 Driven Sign Posts (10 14 53 00-0213)		
10 14 53 00-0227 Driven Posts, 2.5 LB/LF (10 14 53 00-0226)		
10 14 53 00-0228 LF 2.5 LB/LF Driven Post.....	7.15	2.33
10 14 53 00-0229 Driven Posts, 4 LB/LF (10 14 53 00-0226)		
10 14 53 00-0230 LF 4 LB/LF Driven Post.....	8.83	2.66
10 14 53 00-0231 Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 00-0213)		
10 14 53 00-0232 Omni-Directional Breakaway Systems For Signs (10 14 53 00-0231)		
Note: Break-Safe as manufactured by Transpo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 00-0233 EA Omni-Directional Breakaway System For 6" To 8" Wide Flange Model B525	710.80	
10 14 53 00-0234 EA Omni-Directional Breakaway System For 10" To 21" Wide Flange Model B650	757.34	
10 14 53 00-0235 EA Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange, Models A14 And A16.....	519.22	
10 14 53 00-0236 EA Omni-Directional Breakaway System For O.D. Pipe 3" To 4.5" Models A3 And A4.5	454.76	
10 14 53 00-0237 EA Omni-Directional Breakaway System For Square Tube Models AS3 And AS4	515.64	
10 14 53 00-0238 EA Omni-Directional Breakaway System For U-Channels Models AU4 To AU6.....	490.57	
10 14 53 00-0239 EA Omni-Directional Breakaway System For U-Channels Embedded Models AUX4 To AUX6.....	531.76	
10 14 53 00-0240 Omni-Directional Breakaway Systems For Poles (10 14 53 00-0231)		
Note: Pole-Safe as Manufactured by Transpo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 00-0241 EA Omni-Directional Breakaway System For Poles With 5/8" Couplings	246.04	
10 14 53 00-0242 EA Omni-Directional Breakaway System For Poles With 3/4" Couplings	257.93	
10 14 53 00-0243 EA Omni-Directional Breakaway System For Poles With 1" Couplings.....	267.86	
10 14 53 00-0244 EA Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	406.75	
10 14 53 00-0245 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	35.72	
10 14 53 00-0246 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	47.63	
10 14 53 00-0247 Wood Posts (10 14 53 00-0213)		
Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
10 14 53 00-0248 LF 4" x 4" Pressure Treated Wood Sign Post.....	7.88	
10 14 53 00-0249 Sign Post Accessories (10 14 53 00-0001)		
10 14 53 00-0250 Sign Post Brackets (10 14 53 00-0249)		
10 14 53 00-0251 EA 2-3/8" Outside Diameter, Single Sign Bracket Set	22.66	4.99
10 14 53 00-0252 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	40.91	8.31
10 14 53 00-0253 EA 10 cm - 37 cm Diameter, Buckle Bracket Set	35.28	6.65
10 14 53 00-0254 Sign Post Caps (10 14 53 00-0249)		
10 14 53 00-0255 EA Traffic Sign Post Cap.....	12.54	3.32
10 14 53 00-0256 Sign Post Replacement Bolts (10 14 53 00-0249)		
10 14 53 00-0257 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	8.64	
10 14 53 00-0258 Reflective Panels For "U" Channel Post (10 14 53 00-0249)		
10 14 53 00-0259 EA 3" x 72" Reflective Panel For "U-Channel" Post	45.33	
Note: Diamond grade panel including mounting hardware.		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 14 53 00-0260		Removal Of Signs <small>(10 14 53)</small>		
		Note: Includes structural supports.		
10 14 53 00-0261	EA	>4 To 10 SF Sign Area, Sign Removal	132.98	
10 14 53 00-0262	EA	>10 To 20 SF Sign Area, Sign Removal	319.15	
10 14 53 00-0263	EA	>20 To 40 SF Sign Area, Sign Removal	478.72	
10 14 53 00-0264	EA	>40 To 100 SF Sign Area, Sign Removal	761.39	
10 14 53 00-0265		Remove And Reinstall Signs <small>(10 14 53)</small>		
		Note: Includes structural supports.		
10 14 53 00-0266	EA	>4 To 10 SF Sign Area, Remove And Reinstall Sign.....	202.76	
10 14 53 00-0267	EA	>10 To 20 SF Sign Area, Remove And Reinstall Sign	481.07	
10 14 53 00-0268	EA	>20 SF To 40 SF Sign Area, Remove And Reinstall Sign	720.08	
10 14 53 00-0269	EA	>40 SF To 100 SF Sign Area, Remove And Reinstall Sign	1,143.96	
10 14 53 00-0270	EA	Remove And Reinstall Street Sign On Post.....	76.46	
10 14 53 00-0271	EA	Remove And Relocate Traffic Light	261.93	
		Note: Excludes electrical hookup.		

END OF SECTION 10



Equipment	11	
Entertainment and Recreation Equipment	11	60
Play Field Equipment And Structures	11	68

11

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 Equipment

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 68 Play Field Equipment And Structures ^(11 60)

11 68 13 Playground Equipment ^(11 68)

See CSI section 32 31 13 00-0001 for augering holes and fill for posts.

11 68 13 00-0001	Standalone Playground Equipment ^(11 68 13)		
11 68 13 00-0002	Ground Socket For Movable Posts ^(11 68 13 00-0001)		
11 68 13 00-0003	PR Ground Socket For 2-3/8" Post For Playground Equipment	182.06	45.10
11 68 13 00-0004	PR Ground Socket For 3-1/2" Post For Playground Equipment	259.40	45.10
11 68 13 00-0005	See-Saws ^(11 68 13 00-0001)		
11 68 13 00-0006	Steel See-Saw ^(11 68 13 00-0005)		
11 68 13 00-0007	EA 2 Unit Steel See-Saw.....	1,448.43	277.56
11 68 13 00-0008	EA 4 Unit Steel See-Saw.....	2,244.74	328.01
11 68 13 00-0009	EA 6 Unit Steel See-Saw.....	3,067.50	400.92
11 68 13 00-0010	14' Long Laminated Beam ^(11 68 13 00-0005)		
11 68 13 00-0011	EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,444.88	245.43
11 68 13 00-0012	EA Beam Is Supported By Two 8 In x 8 In Posts.....	1,031.08	218.63
11 68 13 00-0013	Slides ^(11 68 13 00-0001)		
11 68 13 00-0014	EA 8' Long x 4' High Slide With Stainless Steel Bed	1,749.70	317.39
11 68 13 00-0015	EA 12' Long x 6' High Slide With Stainless Steel Bed	2,465.31	451.03
11 68 13 00-0016	EA 16' Long x 8' High Slide With Stainless Steel Bed	2,731.69	501.14
11 68 13 00-0017	EA 20' Long x 10' High Slide With Stainless Steel Bed	3,370.49	555.13
11 68 13 00-0018	EA 6' High, 360 Degree One Piece Molded Polyethylene Slide	4,895.92	873.25
11 68 13 00-0019	EA 7' High, 360 Degree Slide, Stainless Steel Bed	9,718.44	900.85
11 68 13 00-0020	EA 9' High, 360 Degree Slide, Stainless Steel Bed	12,117.93	946.82
11 68 13 00-0021	Whirlers ^(11 68 13 00-0001)		
11 68 13 00-0022	EA 8' Diameter Whirler	3,777.34	601.36
11 68 13 00-0023	EA 10' Diameter Whirler	4,406.05	721.64
11 68 13 00-0024	Other Standalone Playground Equipment ^(11 68 13 00-0001)		
11 68 13 00-0025	Miscellaneous Standalone Playground Equipment ^(11 68 13 00-0024)		
11 68 13 00-0026	EA Horizontal Ladder	1,131.75	148.44
11 68 13 00-0027	EA Tether Ball Post.....	203.46	31.40
11 68 13 00-0028	PR 10'-6" Long Multiple Purpose Post.....	316.92	55.53
11 68 13 00-0029	EA 3-Person Fiberglass Golf Tee Shelter Turntable.....	2,075.15	156.89
11 68 13 00-0030	EA Horizontal Turning Bars, 1 Bar.....	374.12	77.47
11 68 13 00-0031	EA Horizontal Turning Bars, 2 Bars.....	499.57	92.59
11 68 13 00-0032	EA Horizontal Turning Bars, 3 Bars.....	672.83	123.45
11 68 13 00-0033	EA Horizontal Turning Bars, 5 Bars.....	978.38	169.74
11 68 13 00-0034	EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	970.00	70.67
11 68 13 00-0035	EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,067.20	76.29
11 68 13 00-0036	EA Coil Spring With Single Riding Aluminum Saddle Devices	1,047.86	81.78
11 68 13 00-0037	EA "C" Spring With Single Riding Aluminum Saddle Devices	660.26	70.37
11 68 13 00-0038	EA Rubber Spring With Single Riding Aluminum Saddle Devices.....	819.39	92.15
11 68 13 00-0039	EA Coil Spring Assembly Only	273.30	33.89
11 68 13 00-0040	EA "C" Spring Assembly Only	181.64	22.59
11 68 13 00-0041	EA Rubber Spring Assembly Only.....	205.00	44.07
11 68 13 00-0042	EA Footbuck Assembly Only.....	47.24	5.93
11 68 13 00-0043	EA Replacement Animal Only	670.43	48.02
11 68 13 00-0044	EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,186.87	84.75
11 68 13 00-0045	Freestanding Panels ^(11 68 13 00-0024)		
	Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA Tic-Tac-Toe Panel	505.50	36.30
11 68 13 00-0047	EA 24" Bubble Panel	757.26	54.38
11 68 13 00-0048	EA Fire Engine Panel	1,111.30	79.81
11 68 13 00-0049	EA Flat Mirror Panel	889.05	63.88
11 68 13 00-0050	EA Wavy Mirror Panel	1,315.87	94.56
11 68 13 00-0051	EA Paint Time Panel	853.65	61.35
11 68 13 00-0052	EA Phone Time Panel	605.80	43.52
11 68 13 00-0053	EA Phone Time With Graphic Panel.....	605.80	43.52
11 68 13 00-0054	EA Race Time Panel	1,062.13	76.29

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0055 EA Rescue 911 Panel.....	1,077.29	76.29
11 68 13 00-0056 EA Eastern/Central/Western States Panel.....	580.25	41.67
11 68 13 00-0057 EA Career People Panel.....	658.91	47.34
11 68 13 00-0058 EA Solar System Panel.....	658.91	47.34
11 68 13 00-0059 EA Animals Panel.....	658.91	47.34
11 68 13 00-0060 Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061 EA 3-1/2" Outside Diameter End Panel Upright.....	161.96	20.37
11 68 13 00-0062 EA 3-1/2" Outside Diameter 90 Degree Upright.....	175.46	22.04
11 68 13 00-0063 EA 3-1/2" Outside Diameter 180 Degree Upright.....	175.46	22.04
11 68 13 00-0064 EA 3-1/2" Outside Diameter "T-Shaped" Upright.....	186.71	23.46
11 68 13 00-0065 Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066 EA 12' Single Metal Coaster With Four Posts.....	3,891.19	246.89
11 68 13 00-0067 EA 18' Single Metal Coaster With Four Posts.....	4,369.60	308.62
11 68 13 00-0068 EA 12' Double Metal Coaster With Four Posts.....	6,278.04	370.34
11 68 13 00-0069 EA 18' Double Metal Coaster With Four Posts.....	7,163.16	462.93
11 68 13 00-0070 Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071 EA Tower Climber, 3.17' Diameter x 7.25' High.....	780.75	164.92
11 68 13 00-0072 EA Arch Climber, 2' x 12' x 4.5' High.....	719.61	201.97
11 68 13 00-0073 EA Arch Climber, 2' x 15' x 5.83' High.....	773.65	164.92
11 68 13 00-0074 EA Arch Climber, 2' x 17' x 6.58' High.....	824.83	201.97
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 4' High.....	876.99	164.74
11 68 13 00-0076 EA Rainbow Climber, 2' x 10'-5" x 5' High.....	971.73	164.80
11 68 13 00-0077 EA Rainbow Climber, 2' x 12'-5" x 6' High.....	1,116.84	164.80
11 68 13 00-0078 EA Rainbow Climber, 2' x 15'-4" x 7' High.....	1,211.74	164.74
11 68 13 00-0079 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,458.74	192.89
11 68 13 00-0080 EA 12' Long Horizontal Ladder Climber.....	1,204.27	155.88
11 68 13 00-0081 EA 14' Long Horizontal Ladder Climber.....	1,220.24	155.88
11 68 13 00-0082 EA 16' Long Horizontal Ladder Climber.....	1,325.97	155.88
11 68 13 00-0083 EA Bell Climber, 7'-5" High With Double Bars.....	1,252.63	185.17
11 68 13 00-0084 EA 2-Way Climber.....	1,056.45	148.44
11 68 13 00-0085 EA 4-Way Climber.....	1,630.39	148.44
11 68 13 00-0086 Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088 EA 8' High Top Rail, One Section Two Seats.....	1,060.86	245.43
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	120.91	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	127.18	
11 68 13 00-0089 EA 8' High Top Rail, Two Sections Four Seats.....	1,678.84	351.20
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	192.31	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	206.09	
11 68 13 00-0090 EA 8' High Top Rail, Three Sections, Six Seats.....	2,327.38	516.78
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	266.31	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	284.20	
11 68 13 00-0091 EA 8' High Top Rail, Four Sections, Eight Seats.....	2,906.78	601.36
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	333.27	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	358.31	
11 68 13 00-0092 EA 10' High Top Rail, One Section Two Seats.....	1,122.02	245.43
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	128.56	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	137.89	
11 68 13 00-0093 EA 10' High Top Rail, Two Section Four Seats.....	1,765.60	374.05
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	201.49	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	212.91	
11 68 13 00-0094 EA 10' High Top Rail, Three Sections, Six Seats.....	2,452.36	580.86
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	278.88	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	290.81	
11 68 13 00-0095 EA 10' High Top Rail, Four Sections, Eight Seats.....	3,229.22	701.60
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	368.56	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	389.64	
11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097 EA 8' High Top Rail, One Section, Two Seats.....	1,183.08	216.76
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	137.05	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	152.84	
11 68 13 00-0098 EA 8' High Top Rail, Two Sections, Four Seats.....	1,717.06	314.51
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	198.91	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	221.86	
11 68 13 00-0099 EA 8' High Top Rail, Three Sections, Six Seats.....	2,291.42	420.63
For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	265.40	
For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	295.84	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	2,848.17 330.96 373.13	501.14
11 68	13 00-0101	EA	10' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	1,334.06 154.54 172.39	244.29
11 68	13 00-0102	EA	10' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	1,388.26 161.19 181.25	259.05
11 68	13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	1,863.03 215.78 240.53	341.98
11 68	13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	2,219.15 258.61 294.44	394.23
11 68	13 00-0105	EA	10' High Top Rail, Three Section, Six Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	2,479.76 287.22 320.21	454.97
11 68	13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	3,047.77 355.91 408.06	501.34
11 68	13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	3,160.32 364.96 402.68	601.36
11 68	13 00-0108	EA	12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	1,448.69 168.45 190.31	265.34
11 68	13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	2,353.86 273.90 310.25	426.90
11 68	13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	3,475.58 401.04 441.18	683.76
11 68	13 00-0111		Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68	13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	319.93	20.14
11 68	13 00-0113	EA	Bucket Seat With Chain And Hardware	265.97	16.75
11 68	13 00-0114	EA	Belt Seat With Chain And Hardware	283.31	17.88
11 68	13 00-0115	EA	Seat With Chain And Hardware	279.45	17.61
11 68	13 00-0116	EA	Wide Seat With Chain And Hardware	294.98	18.61
11 68	13 00-0117	EA	Handi Seat With Chain And Hardware	880.78	55.50
11 68	13 00-0118	LF	0.4 LB/LF Replacement Chain	3.80	0.40
11 68	13 00-0119	LF	1 LB/LF Replacement Chain	7.05	0.79
11 68	13 00-0120	EA	Swing Hanger Replacement	41.23	4.59
11 68	13 00-0121		Modular Playground Stations <small>(11 68 13)</small>		
			Note: Complete as described.		
11 68	13 00-0122		"Miracle" Or Equal <small>(11 68 13 00-0121)</small>		
11 68	13 00-0123	EA	Miracle 714-029	69,275.51	6,419.30
11 68	13 00-0124	EA	Miracle 714-030	27,914.85	2,586.23
11 68	13 00-0125	EA	Miracle 714-031	35,904.61	3,326.93
11 68	13 00-0126	EA	Miracle 714-055	109,331.86	10,104.23
11 68	13 00-0127	EA	Miracle 714-059	50,518.32	4,672.51
11 68	13 00-0128	EA	Miracle 714-038	5,836.98	539.47
11 68	13 00-0129	EA	Miracle 714-053	39,803.41	3,678.76
11 68	13 00-0130	EA	Miracle 714-050	28,153.06	2,604.76
11 68	13 00-0131	EA	Miracle 714-056	99,054.58	9,147.51
11 68	13 00-0132	EA	Miracle 714-020	43,151.30	3,987.38
11 68	13 00-0133	EA	Miracle 714-035	35,193.67	3,246.68
11 68	13 00-0134	EA	Miracle 714-021	47,615.41	4,394.75
11 68	13 00-0135	EA	Miracle 714-034	53,171.27	4,907.06
11 68	13 00-0136	EA	Miracle 714-025	19,008.62	1,752.96
11 68	13 00-0137	EA	Miracle 714-027	24,590.15	2,271.45
11 68	13 00-0138	EA	Miracle 714-057	24,980.60	2,308.48
11 68	13 00-0139	EA	Miracle 714-061	28,839.24	2,666.48
11 68	13 00-0140	EA	Miracle 714-003	33,255.39	3,073.86
11 68	13 00-0141	EA	Miracle 714-002-1	34,781.53	3,215.82
11 68	13 00-0142	EA	Miracle 714-018	27,844.91	2,573.89
11 68	13 00-0143	EA	Miracle 714-019	17,798.91	1,641.86
11 68	13 00-0144	EA	Miracle 714-023	13,360.06	1,234.48
11 68	13 00-0145	EA	Miracle 714-010	30,527.46	2,820.79
11 68	13 00-0146	EA	Miracle 718-008	12,570.68	1,160.41
11 68	13 00-0147	EA	Miracle 718-002	18,669.25	1,728.27
11 68	13 00-0148	EA	Miracle 718-010	12,087.46	1,117.21
11 68	13 00-0149	EA	Miracle 718-005	17,072.50	1,583.22
11 68	13 00-0150	EA	Miracle 718-854	1,480.53	135.79
11 68	13 00-0151	EA	Miracle 1314-2	969.30	89.50
11 68	13 00-0152	EA	Miracle 718-009	5,216.66	482.06
11 68	13 00-0153	EA	Miracle 718-014	16,121.33	1,487.55
11 68	13 00-0154	EA	Miracle 718-012	9,313.18	857.96

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment And Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0155	EA	Miracle 718-001.....	14,906.15	1,376.44
11 68	13 00-0156	EA	Miracle 718-011.....	8,586.27	790.07
11 68	13 00-0157	EA	Miracle 162-422.....	92,181.51	8,493.24
11 68	13 00-0158	EA	Miracle 162-440.....	38,995.57	3,598.51
11 68	13 00-0159	EA	Miracle 162-438.....	77,180.70	7,122.95
11 68	13 00-0160	EA	Miracle 162-435-1.....	15,940.58	1,469.04
11 68	13 00-0161	EA	Miracle 162-411.....	67,915.63	6,258.82
11 68	13 00-0162	EA	Miracle 162-495.....	18,064.22	1,666.55
11 68	13 00-0163	EA	Miracle 162-436.....	34,479.24	3,172.62
11 68	13 00-0164	EA	Miracle 162-408.....	48,065.33	4,431.78
11 68	13 00-0165	EA	Miracle 137A.....	7,906.29	728.34
11 68	13 00-0166	EA	Miracle 136A.....	5,684.39	524.65
11 68	13 00-0167	EA	Miracle 134RA.....	4,606.43	425.90
11 68	13 00-0168	EA	Miracle 138RA.....	7,397.52	678.96
11 68	13 00-0169	EA	Miracle 121-112A.....	3,538.05	327.14
11 68	13 00-0170	EA	Miracle 105-22A.....	4,937.12	456.76
11 68	13 00-0171	EA	Miracle 132-31A.....	5,307.14	487.62
11 68	13 00-0172	EA	Miracle 132-71A.....	10,126.10	932.04
11 68	13 00-0173	EA	Miracle Twin Rider 608-1.....	1,137.72	104.93
11 68	13 00-0174	EA	Miracle Twin Bear Rider 608-2.....	2,310.12	212.33
11 68	13 00-0175	EA	Miracle 4-way Animal Hop 926.....	4,352.04	401.20
11 68	13 00-0176	EA	Miracle Spaceship Columbia 939.....	1,385.14	129.62
11 68	13 00-0177	EA	Miracle Grad Prix 950.....	1,616.41	148.14
11 68	13 00-0178	EA	Miracle Moto-Cross With "C" Spring.....	1,093.80	98.76
11 68	13 00-0179	EA	Miracle Rodeo Rider With "C" Spring 901.....	709.92	64.81
11 68	13 00-0180	EA	Miracle Frog With "C" Spring 932.....	709.92	65.43
11 68	13 00-0181	EA	Miracle Jet Interceptor With "C" Spring 940.....	709.92	65.43
11 68	13 00-0182	EA	Miracle Elephant With "C" Spring 938.....	709.92	65.43
11 68	13 00-0183	EA	Miracle Lion With "C" Spring 917.....	709.92	65.43
11 68	13 00-0184	EA	Miracle Schnozz Womp With "C" Spring 933.....	709.92	65.43
11 68	13 00-0185	EA	Miracle Squirrel With "C" Spring 918.....	709.92	65.43
11 68	13 00-0186	EA	Miracle Seal With "C" Spring 919.....	709.92	65.43
11 68	13 00-0187	EA	Miracle 13' Geodesic Climber 402-2.....	3,332.32	308.62
11 68	13 00-0188	EA	Miracle Parallel Bars 850-285-2.....	520.94	48.14
11 68	13 00-0189	EA	Miracle 4-way Climber 410.....	2,601.31	240.72
11 68	13 00-0190	EA	Miracle Spider Climber 409.....	1,167.78	108.02
11 68	13 00-0191	EA	Miracle Horizontal Ladder 411.....	1,202.57	111.11
11 68	13 00-0192	EA	Miracle Whirl 302.....	2,703.33	246.89
11 68	13 00-0193	EA	Miracle Junior Whirl 300.....	2,078.87	191.34
11 68	13 00-0194	EA	Miracle Pony Express 321.....	5,940.72	549.34
11 68	13 00-0195	EA	Miracle Mustang Whirl 301.....	4,044.51	370.34

11 68 23 Exterior Court Athletic Equipment (11 68)

11 68 23 13 Exterior Basketball Equipment (11 68 23)

11 68 23 13-0001 Basketball Systems (11 68 23 13)

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System.....	1,307.56	169.76
		Note: Sportsplay 541-616.		
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	2,675.55	186.74
		Note: Porter Athletic 176-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
		For 42" x 72" Perforated Steel Backboard, Add	318.00	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	2,057.64	169.76
		Note: Porter Athletic 164-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
		For 42" x 72" Perforated Steel Backboard, Add	318.00	
11 68 23 13-0005	EA	4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	2,324.45	186.74
		Note: Porter Athletic 166-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
		For 42" x 72" Perforated Steel Backboard, Add	318.00	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System.....	3,275.73	249.66
		Note: Porter Athletic 184-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	-266.00	
		For 42" x 72" Perforated Steel Backboard, Add	636.00	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System.....	3,663.95	274.61
		Note: Porter Athletic 186-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	-266.00	
		For 42" x 72" Perforated Steel Backboard, Add	636.00	

11 68 23 13-0008 Basketball Components (11 68 23 13)

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Nylon Cord Basketball Net.....	23.21	6.17
		Note: Porter Athletic 9608-120.		



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23	13-0010	EA	Chain Basketball Net Note: Porter Athletic 161.	51.69	6.17
11 68 23	13-0011	EA	Heavy Duty Goal Ring Note: Porter Athletic 235.	228.91	30.86
11 68 23	13-0012	EA	Goal Ring For Steel Net Note: Porter Athletic 251.	217.25	13.89
11 68 23	13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 00204-000.	939.68	26.24
11 68 23	13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 1207-300.	832.68	26.24
11 68 23	13-0015	EA	42" x 72" Rectangular Melamine Surfaced Particle Board Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 228-300.	534.74	21.60
11 68 23	13-0016	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 234-300.	472.07	23.15
			<i>For No Perimeter And Target Markings, Deduct</i>	-42.58	
11 68 23	13-0017	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 267-000.	323.83	23.15
11 68 23 33 Tennis Equipment (11 68 23)					
11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)					
11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	737.00	113.59
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	886.44	113.59
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	911.35	113.59
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	954.42	113.59
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,107.77	113.59
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	182.21	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	200.82	
11 68 23 33-0009 Tennis Court Nets (11 68 23 33)					
11 68 23 33-0010	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	361.71	112.26
11 68 23 33-0011	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	391.43	112.26
11 68 23 33-0012	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	809.67	172.73
11 68 23 33-0013	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap.....	48.69	
11 68 33 Athletic Field Equipment (11 68)					
11 68 33 13 Football Field Equipment (11 68 33)					
11 68 33 13-0001 Football Goal Posts (11 68 33 13)					
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape".....	2,881.32	277.76
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	3,906.08	348.32
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	4,665.68	417.98
11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)					
11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)					
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts.....	2,676.74	200.46
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post	3,148.07	277.76
11 68 33 33 Baseball Field Equipment (11 68 33)					
11 68 33 33-0001 Bases (11 68 33 33)					
11 68 33 33-0002	SET		Bases For Baseball Or Softball.....	297.19	
11 80 Facility Maintenance and Operation Equipment (11)					
11 82 Facility Solid Waste Handling Equipment (11 80)					
11 82 19 Packaged Incinerators (11 82)					
11 82 19 00-0001 Electric Incinerator (11 82 19)					
11 82 19 00-0002	EA		Electric Package Incinerator, 100 LB/Hour.....	21,162.11	803.55
11 82 19 00-0003	EA		Electric Package Incinerator, 400 LB/Hour	43,278.00	1,607.11
11 82 19 00-0004	EA		Electric Package Incinerator, 1,000 LB/Hour	144,501.95	2,410.66
11 82 26 Facility Waste Compactors (11 82)					
11 82 26 00-0001 110 Volt Compactors (11 82 26)					
11 82 26 00-0002	EA		Waste Compactor, 110 Volt At 75 LB/Hour.....	11,288.94	307.47
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 250 LB/Hour.....	14,189.38	737.93
11 82 26 00-0004 230 Volt Compactors (11 82 26)					

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0005 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,163.33	983.91
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	15,971.75	1,291.38
11 82 26 00-0007 Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0008 EA Trash Compactor, Small.....	2,605.50	218.29
11 82 26 00-0009 EA Trash Compactor, Large.....	3,208.81	247.02

END OF SECTION 11



Special Construction	13	13
Integrated Construction	13 40	
Facility Protection	13 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 40 Integrated Construction ⁽¹³⁾

13 47 Facility Protection ^(13 40)

13 47 13 Cathodic Protection ^(13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping ^(13 47 13)

13 47 13 13-0001	EA	Anodes ^(13 47 13 13)		
13 47 13 13-0002	EA	Magnesium Type, Conventional ^(13 47 13 13-0001)		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	289.07	119.88
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	432.97	173.27
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	603.15	222.90
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	863.43	311.87
13 47 13 13-0007	EA	Graphite Type ^(13 47 13 13-0001) Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	439.36	166.88
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	709.42	233.03
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	561.85	145.84
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	888.37	194.69
13 47 13 13-0012	EA	High Silicon Cast Iron Type ^(13 47 13 13-0001)		
13 47 13 13-0013	EA	2.66" x 84" High Silicon Cast Iron Anode, 70 LB	1,152.55	233.03
13 47 13 13-0014	EA	Metal Oxide Type ^(13 47 13 13-0001)		
13 47 13 13-0015	EA	1" x 60" Mixed Metal Oxide Anode, 5 LB	584.82	119.88
		Note: Includes center connected #8 HMWPE/HALAR Lead wire.		
13 47 13 13-0016	EA	Rectifiers ^(13 47 13 13)		
13 47 13 13-0017	EA	Air Cooled, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0018	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,272.16	236.80
13 47 13 13-0019	EA	Air Cooled Rectifiers, 20V/20A Silicon Type	1,371.81	236.80
13 47 13 13-0020	EA	Oil Immersed, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,899.42	273.81
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20V/20A Silicon Type	2,006.20	273.81
13 47 13 13-0023	LB	Anode Backfill ^(13 47 13 13)		
13 47 13 13-0024	LB	Anode Backfill, Coke Breeze	0.82	0.30
13 47 13 13-0025	LB	Asbury #4518 Petroleum Coke Breeze Backfill	1.01	0.30
13 47 13 13-0026	MLF	Cathodic Protection Cable ^(13 47 13 13)		
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 8	1,534.93	583.33
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 6	1,698.17	583.33
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 4	1,943.01	583.33
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 2	2,351.09	583.33
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2 - No 1	2,915.47	642.71
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 1/0	3,221.53	642.71
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 2/0	3,731.64	642.71
13 47 13 13-0034	MLF	Cathodic Protection Cable, OR2-No 4/0	5,071.13	700.60
13 47 13 13-0035	MLF	#6 Stranded EXAR Irradiated Cathodic Protection Cable	2,560.80	583.33
13 47 13 13-0036	EA	Cathodic Test Stations ^(13 47 13 13)		
13 47 13 13-0037	EA	Flush Curb Box Type With Lockable Cover And Terminal Box ^(13 47 13 13-0036)		
13 47 13 13-0038	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	241.89	68.24
13 47 13 13-0039	EA	Cathodic Protection Accessories ^(13 47 13 13)		
13 47 13 13-0040	EA	10" Ventralizer	33.47	
		Note: Complete with holding clamps.		
13 47 13 13-0041	EA	2" x 20' Polyvinyl Chloride (PVC) SLOtted Well Screen Vent Pipe, Bell Ends.....	114.03	

13 Special Construction

13 40 Integrated Construction

13 47 Facility Protection



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 47 13 16		Cathodic Protection for Underground Storage Tank <small>(13 47 13)</small>		
		See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		

END OF SECTION 13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

22 05 19 00-0001 Bronze Disk Type Water Supply Meters ^(22 05 19)

22 05 19 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	131.23	42.28
22 05 19 00-0003	EA	3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	163.51	50.40
22 05 19 00-0004	EA	1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	214.68	57.72
22 05 19 00-0005	EA	1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	404.92	86.17
22 05 19 00-0006	EA	2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	546.59	112.19
22 05 19 00-0007	EA	1/2" Diameter Transmitting Water Supply Meter, Screwed	627.50	42.28
22 05 19 00-0008	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed	646.44	50.40
22 05 19 00-0009	EA	1" Diameter Transmitting Water Supply Meter, Screwed	665.83	57.72
22 05 19 00-0010	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed	917.45	86.17
22 05 19 00-0011	EA	2" Diameter Transmitting Water Supply Meter, Screwed	1,235.03	112.19
22 05 19 00-0012	EA	Electronic Transmitter	233.53	20.33

Note: For use with transmitting meter valve.

22 05 19 00-0013 Flanged Compound Type Water Service Meter ^(22 05 19)

22 05 19 00-0014	EA	2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,636.32	130.89
22 05 19 00-0015	EA	3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,998.07	173.85
22 05 19 00-0016	EA	4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,224.79	240.97
22 05 19 00-0017	EA	6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,557.38	356.22
22 05 19 00-0018	EA	8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,098.46	467.73
22 05 19 00-0019	EA	10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,318.68	566.88

22 05 19 00-0020 Flanged Turbine Water Service Meter ^(22 05 19)

22 05 19 00-0021 Vertical Turbine Meters ^(22 05 19 00-0020)

22 05 19 00-0022	EA	1-1/2" Diameter, 0-100 GPM Vertical Turbine Meter, Flanged	473.49	103.28
22 05 19 00-0023	EA	2" Diameter, 0-160 GPM Vertical Turbine Meter, Flanged	648.73	130.89
22 05 19 00-0024	EA	3" Diameter, 0-350 GPM Vertical Turbine Meter, Flanged	1,119.16	214.11
22 05 19 00-0025	EA	4" Diameter, 0-650 GPM Vertical Turbine Meter, Flanged	1,621.78	296.50
22 05 19 00-0026	EA	6" Diameter, 0-1300 GPM Vertical Turbine Meter, Flanged	2,987.67	436.37

22 05 19 00-0027 Horizontal Turbine Meters ^(22 05 19 00-0020)

22 05 19 00-0028	EA	1-1/2" Diameter, 0-120 GPM Horizontal Turbine Meter, Flanged	676.90	103.28
22 05 19 00-0029	EA	2" Diameter, 0-160 GPM Horizontal Turbine Meter, Flanged	939.11	130.89
22 05 19 00-0030	EA	3" Diameter, 0-600 GPM Horizontal Turbine Meter, Flanged	1,235.59	214.11
22 05 19 00-0031	EA	4" Diameter, 0-1,000 GPM Horizontal Turbine Meter, Flanged	1,775.67	296.50
22 05 19 00-0032	EA	6" Diameter, 0-2,000 GPM Horizontal Turbine Meter, Flanged	3,548.38	436.37
22 05 19 00-0033	EA	8" Diameter, 0-3,500 GPM Horizontal Turbine Meter, Flanged	4,750.65	572.72
22 05 19 00-0034	EA	10" Diameter, 0-5,500 GPM Horizontal Turbine Meter, Flanged	6,532.18	694.17
22 05 19 00-0035	EA	12" Diameter, 0-6,600 GPM Horizontal Turbine Meter, Flanged	7,702.64	845.65

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

22 05 23 00-0001 Mud Valves (Drain Plug Valves) ^(22 05 23)

Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.

22 05 23 00-0002	EA	4" Flanged End, Non Rising Stem Mud Valve	754.14	160.38
22 05 23 00-0003	EA	6" Flanged End, Non Rising Stem Mud Valve	895.19	224.51
22 05 23 00-0004	EA	8" Flanged End, Non Rising Stem Mud Valve	1,115.04	248.80
22 05 23 00-0005	EA	10" Flanged End, Non Rising Stem Mud Valve	1,647.33	304.73
22 05 23 00-0006	EA	12" Flanged End, Non Rising Stem Mud Valve	1,937.80	369.38
22 05 23 00-0007	EA	14" Flanged End, Non Rising Stem Mud Valve	3,542.08	449.01
22 05 23 00-0008	EA	16" Flanged End, Non Rising Stem Mud Valve	4,192.66	493.92
22 05 23 00-0009	EA	18" Flanged End, Non Rising Stem Mud Valve	4,765.36	588.84
22 05 23 00-0010	EA	24" Flanged End, Non Rising Stem Mud Valve	6,680.87	815.26

22 05 23 00-0011 Regulators, Clay Valve ^(22 05 23)

22 05 23 00-0012	EA	4" Regulator - Clay Valve	1,173.95	
22 05 23 00-0013	EA	8" Regulator - Clay Valve	1,593.86	
22 05 23 00-0014	EA	10" Regulator - Clay Valve	2,193.71	
22 05 23 00-0015	EA	12" Regulator - Clay Valve	2,687.88	
22 05 23 00-0016	EA	18" Regulator - Clay Valve	4,555.64	
22 05 23 00-0017	EA	24" Regulator - Clay Valve	7,337.77	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 Facility Drainage Piping Cleanouts <small>(22 05)</small>		
22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small>		
Note: For floor installation.		
22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	288.68	43.25
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	318.99	54.23
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	396.32	65.52
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	549.20	73.32
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	665.80	79.43
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	326.48	43.25
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	357.34	54.15
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	434.72	65.52
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	587.64	73.32
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	704.18	79.43
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout <small>(22 05 76)</small>		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	49.90 9.00 19.50	13.57
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	55.32 9.00 19.50	16.26
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	68.39 9.00 19.50	18.29
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	106.04 9.00 19.50	20.33
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	152.11 9.00 19.50	22.36
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	135.10 19.50 22.50	13.57
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	187.45 19.50 22.50	14.23
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	200.08 19.50 22.50	15.04
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	224.14 19.50 22.50	17.08
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	135.10 19.50 22.50	13.57
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	187.45 19.50 22.50	14.23
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	200.08 19.50 22.50	15.04
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	224.14 19.50 22.50	17.08
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	131.60 19.50 22.50	13.57
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	175.95 19.50 22.50	14.23
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	242.58 19.50 22.50	15.04
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	292.14 19.50 22.50	17.08
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	213.08 19.50 59.20	43.25
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	248.14 19.50 59.20	54.15
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	318.92 19.50 59.20	65.52
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	686.18 19.50 59.20	79.43

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover <small>(22 05 76 00-0036)</small> Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	339.68	43.25
For Vandal Proof Screws, Add	19.50	
For Galvanized Cast Iron Parts, Add	59.20	
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	374.74	54.15
For Vandal Proof Screws, Add	19.50	
For Galvanized Cast Iron Parts, Add	59.20	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	437.12	65.52
For Vandal Proof Screws, Add	19.50	
For Galvanized Cast Iron Parts, Add	59.20	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	857.18	79.43
For Vandal Proof Screws, Add	19.50	
For Galvanized Cast Iron Parts, Add	59.20	
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	174.53	35.36
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	194.23	38.61
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	258.22	50.81
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	372.32	60.16
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	604.27	71.13
22 05 76 00-0053 Removable Cleanout Plug <small>(22 05 76)</small>		
22 05 76 00-0054 Threaded Bronze Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	31.40	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	36.03	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	52.93	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	60.01	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	68.08	16.26
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	89.65	18.29
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	123.21	20.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	192.21	22.36
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	266.28	24.38
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head.....	24.30	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head.....	24.99	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head.....	27.41	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head.....	31.34	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head.....	37.28	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head.....	44.48	16.26
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head.....	48.05	17.13
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head.....	52.07	18.29
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head.....	72.88	20.32
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head.....	23.76	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head.....	24.52	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head.....	28.91	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head.....	31.56	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head.....	36.63	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head.....	43.46	16.26
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head.....	51.51	18.29
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head.....	63.89	20.33
For Plug Tapped For Center Screw, Add	9.50	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 Plumbing Insulation ⁽²²⁾

22 07 19 Plumbing Piping Insulation ^(22 07)

22 07 19 00-0001 Insulation Protective Jacketing ^(22 07 19)

Note: Jacketing only and must be added to insulation prices.

22 07 19 00-0002 Metal Insulation Protective Jacketing With Bands ^(22 07 19 00-0001)

22 07 19 00-0003	SF	0.006" Aluminum Insulation Jacket With Bands Fire Retardant.....	12.10	5.21
22 07 19 00-0004	SF	0.016" Aluminum Insulation Jacket With Bands Fire Retardant.....	12.42	5.21
22 07 19 00-0005	SF	0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant.....	15.45	6.10

22 07 19 00-0006 Polyvinyl Chloride (PVC) Insulation Protective Jacketing ^(22 07 19 00-0001)

22 07 19 00-0007 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing ^(22 07 19 00-0006)

22 07 19 00-0008	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.04	1.22
22 07 19 00-0009	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.36	1.26
22 07 19 00-0010	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.59	1.30
22 07 19 00-0011	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.90	1.38
22 07 19 00-0012	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.21	1.42
22 07 19 00-0013	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.51	1.46
22 07 19 00-0014	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.83	1.54
22 07 19 00-0015	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.22	1.62
22 07 19 00-0016	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.62	1.71
22 07 19 00-0017	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.09	1.79
22 07 19 00-0018	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.32	1.87
22 07 19 00-0019	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.63	1.91
22 07 19 00-0020	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.01	1.99
22 07 19 00-0021	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.16	2.01
22 07 19 00-0022	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.40	2.05
22 07 19 00-0023	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.63	2.09
22 07 19 00-0024	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.10	2.03
22 07 19 00-0025	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.63	2.28
22 07 19 00-0026	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.18	2.38

22 07 19 00-0027 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing ^(22 07 19 00-0006)

22 07 19 00-0028	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.51	1.26
22 07 19 00-0029	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.78	1.30
22 07 19 00-0030	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.14	1.36
22 07 19 00-0031	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.47	1.42
22 07 19 00-0032	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.81	1.48
22 07 19 00-0033	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.16	1.54
22 07 19 00-0034	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.58	1.62
22 07 19 00-0035	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.01	1.71
22 07 19 00-0036	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.52	1.83
22 07 19 00-0037	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.78	1.85
22 07 19 00-0038	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.12	1.91
22 07 19 00-0039	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.54	1.99
22 07 19 00-0040	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.73	2.01
22 07 19 00-0041	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.00	2.05
22 07 19 00-0042	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.27	2.09
22 07 19 00-0043	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.79	2.17
22 07 19 00-0044	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.39	2.28
22 07 19 00-0045	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.00	2.38

22 07 19 00-0046 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings ^(22 07 19 00-0006)

22 07 19 00-0047	EA	1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.15	2.44
22 07 19 00-0048	EA	2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.57	2.50
22 07 19 00-0049	EA	2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.02	2.58
22 07 19 00-0050	EA	3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.60	2.70
22 07 19 00-0051	EA	3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	12.40	2.64
22 07 19 00-0052	EA	4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.07	2.95
22 07 19 00-0053	EA	4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.89	3.09
22 07 19 00-0054	EA	5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	14.81	3.25
22 07 19 00-0055	EA	5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	16.05	3.41
22 07 19 00-0056	EA	6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	18.53	3.61
22 07 19 00-0057	EA	6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	18.93	3.74
22 07 19 00-0058	EA	7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	20.65	3.82
22 07 19 00-0059	EA	7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	21.24	3.93
22 07 19 00-0060	EA	8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	22.45	4.01
22 07 19 00-0061	EA	8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	23.53	4.07
22 07 19 00-0062	EA	9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	26.60	4.23
22 07 19 00-0063	EA	10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	28.38	4.39
22 07 19 00-0064	EA	11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	30.65	4.57
22 07 19 00-0065	EA	12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	35.06	4.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0066	EA		1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	14.46	3.39
22 07 19 00-0067	EA		2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	15.00	3.49
22 07 19 00-0068	EA		2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	16.00	3.69
22 07 19 00-0069	EA		3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	17.28	3.97
22 07 19 00-0070	EA		3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	19.25	4.29
22 07 19 00-0071	EA		4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	20.00	4.45
22 07 19 00-0072	EA		4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	21.36	4.65
22 07 19 00-0073	EA		5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	22.72	4.85
22 07 19 00-0074	EA		5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	25.03	5.16
22 07 19 00-0075	EA		6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	27.46	5.43
22 07 19 00-0076	EA		6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	29.12	5.51
22 07 19 00-0077	EA		7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	34.37	5.71
22 07 19 00-0078	EA		7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	36.65	6.01
22 07 19 00-0079	EA		8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	38.56	6.14
22 07 19 00-0080	EA		8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	40.41	6.26
22 07 19 00-0081	EA		9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	42.41	6.42
22 07 19 00-0082	EA		10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	45.39	6.77
22 07 19 00-0083	EA		11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	47.98	6.91
22 07 19 00-0084	EA		12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	50.64	7.07
22 07 19 00-0085			Insulation Foam Rubber (22 07 19)		
22 07 19 00-0086			Covering 4x6 Sheet (22 07 19 00-0085)		
22 07 19 00-0087	SF		1" Thick Foam Rubber Sheet Insulation.....	14.94	5.77
22 07 19 00-0088			Fiberglass Pipe Insulation (22 07 19)		
			Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0089			1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0090	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.97	1.79
			For Single Layer Of Felt Finish, Add	0.12	
			For Work In Restricted Working Space, Add	1.45	
22 07 19 00-0091	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.09	1.79
			For Single Layer Of Felt Finish, Add	0.13	
			For Work In Restricted Working Space, Add	1.45	
22 07 19 00-0092	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.46	1.87
			For Single Layer Of Felt Finish, Add	0.14	
			For Work In Restricted Working Space, Add	1.54	
22 07 19 00-0093	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.70	1.95
			For Single Layer Of Felt Finish, Add	0.15	
			For Work In Restricted Working Space, Add	1.57	
22 07 19 00-0094	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.90	1.95
			For Single Layer Of Felt Finish, Add	0.16	
			For Work In Restricted Working Space, Add	1.60	
22 07 19 00-0095	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.29	2.03
			For Single Layer Of Felt Finish, Add	0.18	
			For Work In Restricted Working Space, Add	1.68	
22 07 19 00-0096	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.63	2.11
			For Single Layer Of Felt Finish, Add	0.20	
			For Work In Restricted Working Space, Add	1.71	
22 07 19 00-0097	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.05	2.19
			For Single Layer Of Felt Finish, Add	0.23	
			For Work In Restricted Working Space, Add	1.77	
22 07 19 00-0098	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.13	2.36
			For Single Layer Of Felt Finish, Add	0.29	
			For Work In Restricted Working Space, Add	1.91	
22 07 19 00-0099	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.79	2.76
			For Single Layer Of Felt Finish, Add	0.35	
			For Work In Restricted Working Space, Add	2.24	
22 07 19 00-0100			1" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.02	2.44
			For Single Layer Of Felt Finish, Add	0.14	
			For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.22	2.44
			For Single Layer Of Felt Finish, Add	0.16	
			For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0103	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.35	2.44
			For Single Layer Of Felt Finish, Add	0.16	
			For Work In Restricted Working Space, Add	2.03	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.64	2.52
			For Single Layer Of Felt Finish, Add	0.19	
			For Work In Restricted Working Space, Add	2.06	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.87	2.52
			For Single Layer Of Felt Finish, Add	0.20	
			For Work In Restricted Working Space, Add	2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0106 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.24	2.60
<i>For Single Layer Of Felt Finish, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.74	2.76
<i>For Single Layer Of Felt Finish, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	2.24	
22 07 19 00-0108 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.23	2.85
<i>For Single Layer Of Felt Finish, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0109 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.57	3.01
<i>For Single Layer Of Felt Finish, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0110 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.37	3.49
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0111 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.48	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	3.19	
22 07 19 00-0112 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.38	4.63
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0113 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.25	5.29
<i>For Single Layer Of Felt Finish, Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	4.36	
22 07 19 00-0114 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.98	5.77
<i>For Single Layer Of Felt Finish, Add</i>	0.94	
<i>For Work In Restricted Working Space, Add</i>	4.51	
22 07 19 00-0115 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0116 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.68	2.51
<i>For Single Layer Of Felt Finish, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0117 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.81	2.51
<i>For Single Layer Of Felt Finish, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0118 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.36	2.66
<i>For Single Layer Of Felt Finish, Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0119 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.73	2.72
<i>For Single Layer Of Felt Finish, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0120 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.04	2.76
<i>For Single Layer Of Felt Finish, Add</i>	0.36	
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0121 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.77	2.91
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0122 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.27	2.96
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0123 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.68	3.06
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0124 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.98	3.31
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0125 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.19	3.87
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0126 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.17	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0127 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.18	4.88
<i>For Single Layer Of Felt Finish, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.06	
22 07 19 00-0128 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.18	5.69
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0129 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.18	6.23
<i>For Single Layer Of Felt Finish, Add</i>	1.14	
<i>For Work In Restricted Working Space, Add</i>	5.18	
22 07 19 00-0130 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0131 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.91	2.76
<i>For Single Layer Of Felt Finish, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0132 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.05	2.76
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0133 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.46	2.85
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.32	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0134 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.83	2.85
For Single Layer Of Felt Finish, Add	0.52	
For Work In Restricted Working Space, Add	2.35	
22 07 19 00-0135 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.20	2.93
For Single Layer Of Felt Finish, Add	0.55	
For Work In Restricted Working Space, Add	2.38	
22 07 19 00-0136 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.71	3.01
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	2.47	
22 07 19 00-0137 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.41	3.09
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	2.56	
22 07 19 00-0138 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.16	3.25
For Single Layer Of Felt Finish, Add	0.67	
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0139 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.56	3.41
For Single Layer Of Felt Finish, Add	0.76	
For Work In Restricted Working Space, Add	2.79	
22 07 19 00-0140 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.60	4.01
For Single Layer Of Felt Finish, Add	0.89	
For Work In Restricted Working Space, Add	3.35	
22 07 19 00-0141 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.20	4.24
For Single Layer Of Felt Finish, Add	1.10	
For Work In Restricted Working Space, Add	3.53	
22 07 19 00-0142 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.57	5.06
For Single Layer Of Felt Finish, Add	1.31	
For Work In Restricted Working Space, Add	4.22	
22 07 19 00-0143 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.57	6.07
For Single Layer Of Felt Finish, Add	1.44	
For Work In Restricted Working Space, Add	5.06	
22 07 19 00-0144 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.03	6.62
For Single Layer Of Felt Finish, Add	1.63	
For Work In Restricted Working Space, Add	7.06	
22 07 19 00-0145 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.18	7.76
For Single Layer Of Felt Finish, Add	1.85	
For Work In Restricted Working Space, Add	7.06	
22 07 19 00-0146 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.69	8.16
For Single Layer Of Felt Finish, Add	2.20	
For Work In Restricted Working Space, Add	7.41	
22 07 19 00-0147 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.78	9.31
For Single Layer Of Felt Finish, Add	2.47	
For Work In Restricted Working Space, Add	8.47	
22 07 19 00-0148 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.22	11.26
For Single Layer Of Felt Finish, Add	2.74	
For Work In Restricted Working Space, Add	10.23	
22 07 19 00-0149 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0089)		
22 07 19 00-0150 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.76	3.25
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0151 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.96	3.25
For Single Layer Of Felt Finish, Add	0.64	
For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0152 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.55	3.25
For Single Layer Of Felt Finish, Add	0.69	
For Work In Restricted Working Space, Add	2.69	
22 07 19 00-0153 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.98	3.33
For Single Layer Of Felt Finish, Add	0.73	
For Work In Restricted Working Space, Add	2.71	
22 07 19 00-0154 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.43	3.33
For Single Layer Of Felt Finish, Add	0.77	
For Work In Restricted Working Space, Add	2.73	
22 07 19 00-0155 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.12	3.49
For Single Layer Of Felt Finish, Add	0.80	
For Work In Restricted Working Space, Add	2.84	
22 07 19 00-0156 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.08	3.57
For Single Layer Of Felt Finish, Add	0.87	
For Work In Restricted Working Space, Add	2.94	
22 07 19 00-0157 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.95	3.74
For Single Layer Of Felt Finish, Add	0.93	
For Work In Restricted Working Space, Add	3.04	
22 07 19 00-0158 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.94	3.91
For Single Layer Of Felt Finish, Add	1.08	
For Work In Restricted Working Space, Add	3.21	
22 07 19 00-0159 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.01	4.15
For Single Layer Of Felt Finish, Add	1.25	
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0160 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.00	4.95
For Single Layer Of Felt Finish, Add	1.94	
For Work In Restricted Working Space, Add	4.07	
22 07 19 00-0161 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.20	5.69
For Single Layer Of Felt Finish, Add	2.37	
For Work In Restricted Working Space, Add	4.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0162 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.46	7.07
<i>For Single Layer Of Felt Finish, Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	5.83	
22 07 19 00-0163 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.12	7.80
<i>For Single Layer Of Felt Finish, Add</i>	2.93	
<i>For Work In Restricted Working Space, Add</i>	6.36	
22 07 19 00-0164 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.86	9.92
<i>For Single Layer Of Felt Finish, Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	8.13	
22 07 19 00-0165 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.20	10.40
<i>For Single Layer Of Felt Finish, Add</i>	3.54	
<i>For Work In Restricted Working Space, Add</i>	8.53	
22 07 19 00-0166 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.61	11.87
<i>For Single Layer Of Felt Finish, Add</i>	4.00	
<i>For Work In Restricted Working Space, Add</i>	9.76	
22 07 19 00-0167 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.08	14.34
<i>For Single Layer Of Felt Finish, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	11.79	
22 07 19 00-0168 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0169 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.28	3.59
<i>For Single Layer Of Felt Finish, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0170 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.50	3.59
<i>For Single Layer Of Felt Finish, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0171 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.09	3.62
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0172 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.56	3.64
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0173 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.09	3.69
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0174 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.79	3.83
<i>For Single Layer Of Felt Finish, Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0175 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.85	3.96
<i>For Single Layer Of Felt Finish, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0176 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.82	4.11
<i>For Single Layer Of Felt Finish, Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0177 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.02	4.33
<i>For Single Layer Of Felt Finish, Add</i>	1.18	
<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0178 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.37	4.91
<i>For Single Layer Of Felt Finish, Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	4.01	
22 07 19 00-0179 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.13	5.48
<i>For Single Layer Of Felt Finish, Add</i>	2.13	
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0180 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.97	6.32
<i>For Single Layer Of Felt Finish, Add</i>	2.60	
<i>For Work In Restricted Working Space, Add</i>	5.16	
22 07 19 00-0181 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.74	7.86
<i>For Single Layer Of Felt Finish, Add</i>	2.77	
<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0182 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	53.96	8.59
<i>For Single Layer Of Felt Finish, Add</i>	3.22	
<i>For Work In Restricted Working Space, Add</i>	7.00	
22 07 19 00-0183 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.57	10.96
<i>For Single Layer Of Felt Finish, Add</i>	3.55	
<i>For Work In Restricted Working Space, Add</i>	8.94	
22 07 19 00-0184 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.34	11.52
<i>For Single Layer Of Felt Finish, Add</i>	3.89	
<i>For Work In Restricted Working Space, Add</i>	9.39	
22 07 19 00-0185 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.58	13.17
<i>For Single Layer Of Felt Finish, Add</i>	4.39	
<i>For Work In Restricted Working Space, Add</i>	10.73	
22 07 19 00-0186 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.28	15.90
<i>For Single Layer Of Felt Finish, Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	12.97	
22 07 19 00-0187 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0188 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.55	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0189 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.81	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	3.21	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0190	LF	1"	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.67	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0191	LF	1-1/4"	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.17	3.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0192	LF	1-1/2"	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.77	3.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0193	LF	2"	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.51	4.15
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 07 19 00-0194	LF	2-1/2"	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.66	4.31
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 07 19 00-0195	LF	3"	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.64	4.47
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0196	LF	4"	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.15	4.71
			<i>For Single Layer Of Felt Finish, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	3.86	
22 07 19 00-0197	LF	6"	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.80	5.37
			<i>For Single Layer Of Felt Finish, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.37	
22 07 19 00-0198	LF	8"	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.37	5.93
			<i>For Single Layer Of Felt Finish, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
22 07 19 00-0199	LF	10"	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.84	6.83
			<i>For Single Layer Of Felt Finish, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	5.63	
22 07 19 00-0200	LF	12"	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.14	8.54
			<i>For Single Layer Of Felt Finish, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	6.99	
22 07 19 00-0201	LF	14"	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.96	9.34
			<i>For Single Layer Of Felt Finish, Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.63	
22 07 19 00-0202	LF	16"	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.44	11.87
			<i>For Single Layer Of Felt Finish, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
22 07 19 00-0203	LF	18"	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.65	12.51
			<i>For Single Layer Of Felt Finish, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	10.24	
22 07 19 00-0204	LF	20"	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.76	14.31
			<i>For Single Layer Of Felt Finish, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	11.71	
22 07 19 00-0205	LF	24"	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	99.70	17.24
			<i>For Single Layer Of Felt Finish, Add</i>	5.52	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 07 19 00-0206			4" Thick Fiberglass Pipe Insulation (22 07 19 00-0088)		
22 07 19 00-0207	LF	1/2"	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.88	4.39
			<i>For Single Layer Of Felt Finish, Add</i>	0.84	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0208	LF	3/4"	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.17	4.39
			<i>For Single Layer Of Felt Finish, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0209	LF	1"	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.97	4.39
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0210	LF	1-1/4"	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.62	4.47
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0211	LF	1-1/2"	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.51	4.63
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.78	
22 07 19 00-0212	LF	2"	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.33	4.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	3.90	
22 07 19 00-0213	LF	2-1/2"	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.37	4.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	3.96	
22 07 19 00-0214	LF	3"	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.58	5.04
			<i>For Single Layer Of Felt Finish, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	4.10	
22 07 19 00-0215	LF	4"	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.27	5.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 07 19 00-0216	LF	6"	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.40	6.01
			<i>For Single Layer Of Felt Finish, Add</i>	1.68	
			<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0217	LF	8"	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.16	6.50
			<i>For Single Layer Of Felt Finish, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	5.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0218 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.57	7.72
<i>For Single Layer Of Felt Finish, Add</i>	3.20	
<i>For Work In Restricted Working Space, Add</i>	6.33	
22 07 19 00-0219 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.68	9.59
<i>For Single Layer Of Felt Finish, Add</i>	3.41	
<i>For Work In Restricted Working Space, Add</i>	7.87	
22 07 19 00-0220 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.34	10.48
<i>For Single Layer Of Felt Finish, Add</i>	3.96	
<i>For Work In Restricted Working Space, Add</i>	8.59	
22 07 19 00-0221 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.16	13.41
<i>For Single Layer Of Felt Finish, Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	10.98	
22 07 19 00-0222 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.95	14.06
<i>For Single Layer Of Felt Finish, Add</i>	4.79	
<i>For Work In Restricted Working Space, Add</i>	11.51	
22 07 19 00-0223 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	94.16	16.10
<i>For Single Layer Of Felt Finish, Add</i>	5.28	
<i>For Work In Restricted Working Space, Add</i>	13.17	
22 07 19 00-0224 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	112.17	19.43
<i>For Single Layer Of Felt Finish, Add</i>	6.21	
<i>For Work In Restricted Working Space, Add</i>	15.92	
22 07 19 00-0225 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	128.12	22.92
<i>For Single Layer Of Felt Finish, Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	18.76	
22 07 19 00-0226 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	144.50	26.98
<i>For Single Layer Of Felt Finish, Add</i>	7.44	
<i>For Work In Restricted Working Space, Add</i>	22.09	
22 07 19 00-0227 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	163.06	31.87
<i>For Single Layer Of Felt Finish, Add</i>	7.96	
<i>For Work In Restricted Working Space, Add</i>	26.17	
22 07 19 00-0228 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	197.06	40.51
<i>For Single Layer Of Felt Finish, Add</i>	9.05	
<i>For Work In Restricted Working Space, Add</i>	33.27	
22 07 19 00-0229 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	231.06	49.34
<i>For Single Layer Of Felt Finish, Add</i>	10.13	
<i>For Work In Restricted Working Space, Add</i>	40.37	
22 07 19 00-0230 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	248.53	54.22
<i>For Single Layer Of Felt Finish, Add</i>	10.52	
<i>For Work In Restricted Working Space, Add</i>	44.50	
22 07 19 00-0231 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	264.24	58.36
<i>For Single Layer Of Felt Finish, Add</i>	10.94	
<i>For Work In Restricted Working Space, Add</i>	48.00	
22 07 19 00-0232 Foamglas Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small>		
<small>Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.</small>		
22 07 19 00-0233 1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0232)</small>		
22 07 19 00-0234 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation	14.78	3.97
<i>For Work In Restricted Working Space, Add</i>	3.60	
22 07 19 00-0235 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation	15.49	3.97
<i>For Work In Restricted Working Space, Add</i>	3.60	
22 07 19 00-0236 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation	16.37	4.03
<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0237 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.79	4.08
<i>For Work In Restricted Working Space, Add</i>	3.71	
22 07 19 00-0238 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	17.44	4.14
<i>For Work In Restricted Working Space, Add</i>	3.76	
22 07 19 00-0239 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation	18.68	4.25
<i>For Work In Restricted Working Space, Add</i>	3.87	
22 07 19 00-0240 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.22	4.43
<i>For Work In Restricted Working Space, Add</i>	4.03	
22 07 19 00-0241 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation	21.95	4.54
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 07 19 00-0242 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation	25.59	4.88
<i>For Work In Restricted Working Space, Add</i>	4.44	
22 07 19 00-0243 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation	33.01	5.51
<i>For Work In Restricted Working Space, Add</i>	5.01	
22 07 19 00-0244 1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0232)</small>		
22 07 19 00-0245 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.63	5.20
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0246 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.07	5.20
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0247 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.52	5.20
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0248 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.37	5.37
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0249 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.20	5.55
<i>For Work In Restricted Working Space, Add</i>	5.04	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0250 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.18 5.23	5.75
22 07 19 00-0251 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.44 5.42	5.97
22 07 19 00-0252 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.50 5.63	6.19
22 07 19 00-0253 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.14 5.85	6.43
22 07 19 00-0254 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.94 6.20	6.82
22 07 19 00-0255 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.58 6.59	7.24
22 07 19 00-0256 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.47 7.73	8.51
22 07 19 00-0257 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	61.25 8.99	9.90
22 07 19 00-0258 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.61 9.30	10.23
22 07 19 00-0259 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	73.22 10.39	11.43
22 07 19 00-0260 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.63 12.29	13.52
22 07 19 00-0261 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	92.40 13.61	14.96
22 07 19 00-0262 LF 24" Diameter Pipe, 2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	116.72 15.07	16.58
22 07 19 00-0263 2" Thick Foamglas Pipe Insulation (22 07 19 00-0232)		
22 07 19 00-0264 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.16 4.13	4.54
22 07 19 00-0265 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.85 4.13	4.54
22 07 19 00-0266 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.69 4.18	4.59
22 07 19 00-0267 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.96 4.23	4.66
22 07 19 00-0268 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.24 4.29	4.71
22 07 19 00-0269 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.34 4.44	4.88
22 07 19 00-0270 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.72 4.60	5.06
22 07 19 00-0271 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.95 4.76	5.23
22 07 19 00-0272 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.09 5.02	5.52
22 07 19 00-0273 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.19 5.70	6.26
22 07 19 00-0274 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.95 6.35	6.99
22 07 19 00-0275 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.43 7.32	8.05
22 07 19 00-0276 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.13 9.10	10.02
22 07 19 00-0277 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	75.84 9.94	10.93
22 07 19 00-0278 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	88.96 12.71	13.97
22 07 19 00-0279 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	97.36 13.34	14.67
22 07 19 00-0280 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	107.34 15.24	16.77
22 07 19 00-0281 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	135.16 18.42	20.26
22 07 19 00-0282 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0232)		
22 07 19 00-0283 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.87 4.48	4.92
22 07 19 00-0284 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.05 4.47	4.91
22 07 19 00-0285 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.48 4.55	5.00
22 07 19 00-0286 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.76 4.58	5.04
22 07 19 00-0287 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.07 4.61	5.08
22 07 19 00-0288 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.34 4.81	5.29
22 07 19 00-0289 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.52 4.97	5.47
22 07 19 00-0290 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.69 5.15	5.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0291 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.48 5.42	5.97
22 07 19 00-0292 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.05 6.17	6.79
22 07 19 00-0293 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.88 6.88	7.57
22 07 19 00-0294 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.84 7.93	8.72
22 07 19 00-0295 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	80.74 9.86	10.84
22 07 19 00-0296 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	83.82 10.76	11.84
22 07 19 00-0297 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	98.02 13.75	15.12
22 07 19 00-0298 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	106.97 14.44	15.89
22 07 19 00-0299 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	123.07 16.50	18.15
22 07 19 00-0300 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	154.71 19.94	21.94
22 07 19 00-0301 3" Thick Foamglas Pipe Insulation (22 07 19 00-0232)		
22 07 19 00-0302 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.57 4.76	5.24
22 07 19 00-0303 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.27 4.76	5.24
22 07 19 00-0304 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.24 4.84	5.33
22 07 19 00-0305 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.05 4.87	5.36
22 07 19 00-0306 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.90 4.91	5.41
22 07 19 00-0307 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.57 5.12	5.63
22 07 19 00-0308 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.13 5.29	5.82
22 07 19 00-0309 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.88 5.48	6.02
22 07 19 00-0310 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.60 5.77	6.35
22 07 19 00-0311 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.32 6.56	7.22
22 07 19 00-0312 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.67 7.32	8.04
22 07 19 00-0313 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	76.20 8.44	9.28
22 07 19 00-0314 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	87.97 10.49	11.54
22 07 19 00-0315 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	94.01 11.45	12.59
22 07 19 00-0316 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	111.44 14.63	16.10
22 07 19 00-0317 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	119.55 15.36	16.89
22 07 19 00-0318 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	140.46 17.56	19.31
22 07 19 00-0319 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	171.92 21.21	23.34
22 07 19 00-0320 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0232)		
22 07 19 00-0321 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.77 5.77	6.35
22 07 19 00-0322 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.66 5.77	6.35
22 07 19 00-0323 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.68 5.81	6.39
22 07 19 00-0324 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.68 5.85	6.43
22 07 19 00-0325 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.82 5.92	6.51
22 07 19 00-0326 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.24 6.12	6.74
22 07 19 00-0327 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.68 6.34	6.98
22 07 19 00-0328 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.61 6.56	7.22
22 07 19 00-0329 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.41 6.94	7.63
22 07 19 00-0330 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	65.03 7.88	8.67
22 07 19 00-0331 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	74.10 8.77	9.65

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0332	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	88.94 10.12	11.14
22 07 19 00-0333	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	104.56 12.58	13.84
22 07 19 00-0334	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	108.56 13.74	15.11
22 07 19 00-0335	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	129.20 17.56	19.31
22 07 19 00-0336	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	142.75 18.44	20.28
22 07 19 00-0337	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	162.43 21.08	23.19
22 07 19 00-0338	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	199.84 25.46	28.00
22 07 19 00-0339			4" Thick Foamglas Pipe Insulation (22 07 19 00-0232)		
22 07 19 00-0340	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.73 7.09	7.80
22 07 19 00-0341	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.87 7.09	7.80
22 07 19 00-0342	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.42 7.22	7.93
22 07 19 00-0343	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.83 7.30	8.03
22 07 19 00-0344	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.75 7.53	8.29
22 07 19 00-0345	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.15 7.76	8.54
22 07 19 00-0346	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.15 7.88	8.67
22 07 19 00-0347	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.18 8.17	8.99
22 07 19 00-0348	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.81 9.11	10.02
22 07 19 00-0349	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.10 9.79	10.76
22 07 19 00-0350	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.70 10.61	11.67
22 07 19 00-0351	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.33 12.61	13.86
22 07 19 00-0352	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	118.74 15.65	17.23
22 07 19 00-0353	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	129.04 17.10	18.81
22 07 19 00-0354	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	151.80 21.87	24.05
22 07 19 00-0355	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	170.13 22.92	25.21
22 07 19 00-0356	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	190.23 26.23	28.84
22 07 19 00-0357	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	242.67 31.68	34.86
22 07 19 00-0358			Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0359			3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0358)		
22 07 19 00-0360	LF		1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.03 1.46	2.43
22 07 19 00-0361	LF		1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.05 1.46	2.43
22 07 19 00-0362	LF		3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.05 1.46	2.43
22 07 19 00-0363	LF		1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.24 1.51	2.52
22 07 19 00-0364	LF		3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.45 1.57	2.60
22 07 19 00-0365	LF		1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.59	2.65
22 07 19 00-0366	LF		1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.76 1.61	2.69
22 07 19 00-0367	LF		1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.83 1.62	2.69
22 07 19 00-0368	LF		2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.98 1.63	2.69
22 07 19 00-0369	LF		2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.34 1.68	2.77
22 07 19 00-0370	LF		3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.52 1.70	2.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0371 1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0358)</small>		
22 07 19 00-0372 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.54	2.65
<i>For Work In Restricted Working Space, Add</i>		
	1.69	
22 07 19 00-0373 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.56	2.65
<i>For Work In Restricted Working Space, Add</i>		
	1.59	
22 07 19 00-0374 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.61	2.65
<i>For Work In Restricted Working Space, Add</i>		
	1.60	
22 07 19 00-0375 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.68	2.69
<i>For Work In Restricted Working Space, Add</i>		
	1.61	
22 07 19 00-0376 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.77	2.69
<i>For Work In Restricted Working Space, Add</i>		
	1.63	
22 07 19 00-0377 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.98	2.77
<i>For Work In Restricted Working Space, Add</i>		
	1.67	
22 07 19 00-0378 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.73	2.82
<i>For Work In Restricted Working Space, Add</i>		
	1.56	
22 07 19 00-0379 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.35	2.86
<i>For Work In Restricted Working Space, Add</i>		
	1.72	
22 07 19 00-0380 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.58	2.90
<i>For Work In Restricted Working Space, Add</i>		
	1.74	
22 07 19 00-0381 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.99	2.99
<i>For Work In Restricted Working Space, Add</i>		
	1.79	
22 07 19 00-0382 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.38	3.03
<i>For Work In Restricted Working Space, Add</i>		
	1.82	
22 07 19 00-0383 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.74	3.07
<i>For Work In Restricted Working Space, Add</i>		
	1.84	
22 07 19 00-0384 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.98	3.11
<i>For Work In Restricted Working Space, Add</i>		
	1.87	
22 07 19 00-0385 3/4" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0358)</small>		
22 07 19 00-0386 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.07	2.86
<i>For Work In Restricted Working Space, Add</i>		
	1.72	
22 07 19 00-0387 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.10	2.86
<i>For Work In Restricted Working Space, Add</i>		
	1.72	
22 07 19 00-0388 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.18	2.90
<i>For Work In Restricted Working Space, Add</i>		
	1.74	
22 07 19 00-0389 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.48	2.99
<i>For Work In Restricted Working Space, Add</i>		
	1.79	
22 07 19 00-0390 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.63	3.03
<i>For Work In Restricted Working Space, Add</i>		
	1.82	
22 07 19 00-0391 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.98	3.11
<i>For Work In Restricted Working Space, Add</i>		
	1.87	
22 07 19 00-0392 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.31	3.16
<i>For Work In Restricted Working Space, Add</i>		
	1.89	
22 07 19 00-0393 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.45	3.16
<i>For Work In Restricted Working Space, Add</i>		
	1.91	
22 07 19 00-0394 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.00	3.20
<i>For Work In Restricted Working Space, Add</i>		
	1.92	
22 07 19 00-0395 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.81	3.28
<i>For Work In Restricted Working Space, Add</i>		
	1.97	
22 07 19 00-0396 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.89	3.33
<i>For Work In Restricted Working Space, Add</i>		
	2.00	
22 07 19 00-0397 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.46	3.37
<i>For Work In Restricted Working Space, Add</i>		
	2.03	
22 07 19 00-0398 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.71	3.41
<i>For Work In Restricted Working Space, Add</i>		
	2.05	
22 07 19 00-0399 1" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0358)</small>		
22 07 19 00-0400 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.85	3.16
<i>For Work In Restricted Working Space, Add</i>		
	1.89	
22 07 19 00-0401 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.99	3.20
<i>For Work In Restricted Working Space, Add</i>		
	1.92	
22 07 19 00-0402 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.39	3.28
<i>For Work In Restricted Working Space, Add</i>		
	1.97	
22 07 19 00-0403 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.53	3.33
<i>For Work In Restricted Working Space, Add</i>		
	2.00	
22 07 19 00-0404 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.10	3.41
<i>For Work In Restricted Working Space, Add</i>		
	2.05	
22 07 19 00-0405 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.41	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.10	
22 07 19 00-0406 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.55	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.12	
22 07 19 00-0407 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.06	3.58
<i>For Work In Restricted Working Space, Add</i>		
	2.15	
22 07 19 00-0408 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.47	3.67
<i>For Work In Restricted Working Space, Add</i>		
	2.20	
22 07 19 00-0409 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.80	3.72
<i>For Work In Restricted Working Space, Add</i>		
	2.23	
22 07 19 00-0410 Flexible Elastomeric Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
<i>Note: No additional LF for fittings required.</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0411			3/8" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0410)</small>		
	22 07 19 00-0412	LF	1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.13	2.43
			<i>For Work In Restricted Working Space, Add</i>	1.46	
	22 07 19 00-0413	LF	3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.17	2.43
			<i>For Work In Restricted Working Space, Add</i>	1.46	
	22 07 19 00-0414	LF	1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.36	2.52
			<i>For Work In Restricted Working Space, Add</i>	1.51	
	22 07 19 00-0415	LF	5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.43	2.56
			<i>For Work In Restricted Working Space, Add</i>	1.54	
	22 07 19 00-0416	LF	3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.60	2.60
			<i>For Work In Restricted Working Space, Add</i>	1.57	
	22 07 19 00-0417	LF	7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.64	2.60
			<i>For Work In Restricted Working Space, Add</i>	1.58	
	22 07 19 00-0418	LF	1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.72	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.59	
	22 07 19 00-0419	LF	1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.76	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.60	
	22 07 19 00-0420	LF	1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.90	2.69
			<i>For Work In Restricted Working Space, Add</i>	1.61	
	22 07 19 00-0421	LF	1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.99	2.69
			<i>For Work In Restricted Working Space, Add</i>	1.62	
	22 07 19 00-0422	LF	2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.19	2.69
			<i>For Work In Restricted Working Space, Add</i>	1.63	
	22 07 19 00-0423	LF	2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.32	2.73
			<i>For Work In Restricted Working Space, Add</i>	1.64	
	22 07 19 00-0424	LF	2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.49	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.67	
	22 07 19 00-0425	LF	2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.62	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.68	
	22 07 19 00-0426	LF	2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.73	2.82
			<i>For Work In Restricted Working Space, Add</i>	1.69	
	22 07 19 00-0427	LF	3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.86	2.82
			<i>For Work In Restricted Working Space, Add</i>	1.70	
	22 07 19 00-0428	LF	3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.13	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.72	
	22 07 19 00-0429	LF	4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.47	2.90
			<i>For Work In Restricted Working Space, Add</i>	1.74	
	22 07 19 00-0430	LF	4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.83	2.92
			<i>For Work In Restricted Working Space, Add</i>	1.75	
22 07 19 00-0431			1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0410)</small>		
	22 07 19 00-0432	LF	1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.69	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.59	
	22 07 19 00-0433	LF	3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.77	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.60	
	22 07 19 00-0434	LF	1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.86	2.69
			<i>For Work In Restricted Working Space, Add</i>	1.61	
	22 07 19 00-0435	LF	3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.97	2.69
			<i>For Work In Restricted Working Space, Add</i>	1.63	
	22 07 19 00-0436	LF	1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.14	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.67	
	22 07 19 00-0437	LF	1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.33	2.82
			<i>For Work In Restricted Working Space, Add</i>	1.69	
	22 07 19 00-0438	LF	1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.56	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.72	
	22 07 19 00-0439	LF	2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.86	2.90
			<i>For Work In Restricted Working Space, Add</i>	1.74	
	22 07 19 00-0440	LF	2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.32	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.79	
	22 07 19 00-0441	LF	3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.54	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
	22 07 19 00-0442	LF	3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.19	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.84	
	22 07 19 00-0443	LF	4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.43	3.11
			<i>For Work In Restricted Working Space, Add</i>	1.87	
	22 07 19 00-0444	LF	5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.31	3.16
			<i>For Work In Restricted Working Space, Add</i>	1.89	
	22 07 19 00-0445	LF	6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.92	3.24
			<i>For Work In Restricted Working Space, Add</i>	1.94	
	22 07 19 00-0446	LF	8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.54	3.33
			<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0447			3/4" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0410)</small>		
	22 07 19 00-0448	LF	1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.33	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.72	
	22 07 19 00-0449	LF	3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.46	2.90
			<i>For Work In Restricted Working Space, Add</i>	1.74	
	22 07 19 00-0450	LF	1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.76	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.79	
	22 07 19 00-0451	LF	3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.03	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0452 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.33	3.11
<i>For Work In Restricted Working Space, Add</i>	<i>1.87</i>	
22 07 19 00-0453 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.80	3.16
<i>For Work In Restricted Working Space, Add</i>	<i>1.89</i>	
22 07 19 00-0454 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.08	3.20
<i>For Work In Restricted Working Space, Add</i>	<i>1.92</i>	
22 07 19 00-0455 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.38	3.20
<i>For Work In Restricted Working Space, Add</i>	<i>1.92</i>	
22 07 19 00-0456 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.21	3.28
<i>For Work In Restricted Working Space, Add</i>	<i>1.97</i>	
22 07 19 00-0457 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.65	3.33
<i>For Work In Restricted Working Space, Add</i>	<i>2.00</i>	
22 07 19 00-0458 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.29	3.37
<i>For Work In Restricted Working Space, Add</i>	<i>2.03</i>	
22 07 19 00-0459 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.60	3.41
<i>For Work In Restricted Working Space, Add</i>	<i>2.05</i>	
22 07 19 00-0460 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.99	4.07
<i>For Work In Restricted Working Space, Add</i>	<i>1.04</i>	
22 07 19 00-0461 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.48	3.50
<i>For Work In Restricted Working Space, Add</i>	<i>2.10</i>	
22 07 19 00-0462 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.78	3.58
<i>For Work In Restricted Working Space, Add</i>	<i>2.15</i>	
22 07 19 00-0463 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0410)		
22 07 19 00-0464 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.85	3.20
<i>For Work In Restricted Working Space, Add</i>	<i>1.92</i>	
22 07 19 00-0465 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.11	3.28
<i>For Work In Restricted Working Space, Add</i>	<i>1.97</i>	
22 07 19 00-0466 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.52	3.33
<i>For Work In Restricted Working Space, Add</i>	<i>2.00</i>	
22 07 19 00-0467 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.01	3.41
<i>For Work In Restricted Working Space, Add</i>	<i>2.05</i>	
22 07 19 00-0468 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.46	3.50
<i>For Work In Restricted Working Space, Add</i>	<i>2.10</i>	
22 07 19 00-0469 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.94	3.50
<i>For Work In Restricted Working Space, Add</i>	<i>2.12</i>	
22 07 19 00-0470 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.99	3.58
<i>For Work In Restricted Working Space, Add</i>	<i>2.15</i>	
22 07 19 00-0471 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.32	3.67
<i>For Work In Restricted Working Space, Add</i>	<i>2.20</i>	
22 07 19 00-0472 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.96	3.72
<i>For Work In Restricted Working Space, Add</i>	<i>2.23</i>	
22 07 19 00-0473 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.23	3.76
<i>For Work In Restricted Working Space, Add</i>	<i>2.25</i>	
22 07 19 00-0474 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.95	3.85
<i>For Work In Restricted Working Space, Add</i>	<i>2.30</i>	
22 07 19 00-0475 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.35	3.93
<i>For Work In Restricted Working Space, Add</i>	<i>2.36</i>	
22 07 19 00-0476 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.79	4.02
<i>For Work In Restricted Working Space, Add</i>	<i>2.41</i>	
22 07 19 00-0477 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0478 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0477)		
22 07 19 00-0479 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.15	2.43
<i>For Work In Restricted Working Space, Add</i>	<i>1.46</i>	
22 07 19 00-0480 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.17	2.43
<i>For Work In Restricted Working Space, Add</i>	<i>1.46</i>	
22 07 19 00-0481 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.21	2.43
<i>For Work In Restricted Working Space, Add</i>	<i>1.46</i>	
22 07 19 00-0482 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.40	2.52
<i>For Work In Restricted Working Space, Add</i>	<i>1.51</i>	
22 07 19 00-0483 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.64	2.60
<i>For Work In Restricted Working Space, Add</i>	<i>1.57</i>	
22 07 19 00-0484 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.77	2.65
<i>For Work In Restricted Working Space, Add</i>	<i>1.59</i>	
22 07 19 00-0485 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	5.99	2.69
<i>For Work In Restricted Working Space, Add</i>	<i>1.61</i>	
22 07 19 00-0486 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.15	2.69
<i>For Work In Restricted Working Space, Add</i>	<i>1.62</i>	
22 07 19 00-0487 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.27	2.77
<i>For Work In Restricted Working Space, Add</i>	<i>1.63</i>	
22 07 19 00-0488 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.80	2.77
<i>For Work In Restricted Working Space, Add</i>	<i>1.68</i>	
22 07 19 00-0489 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.27	2.82
<i>For Work In Restricted Working Space, Add</i>	<i>1.70</i>	
22 07 19 00-0490 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.43	2.90
<i>For Work In Restricted Working Space, Add</i>	<i>1.74</i>	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0491		1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0477)		
22 07 19 00-0492	LF	1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.73 1.59	2.65
22 07 19 00-0493	LF	1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.76 1.59	2.65
22 07 19 00-0494	LF	3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.81 1.60	2.65
22 07 19 00-0495	LF	1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.91 1.61	2.69
22 07 19 00-0496	LF	3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.05 1.63	2.69
22 07 19 00-0497	LF	1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.22 1.67	2.77
22 07 19 00-0498	LF	1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.48 1.69	2.82
22 07 19 00-0499	LF	1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.73 1.72	2.86
22 07 19 00-0500	LF	2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.99 1.74	2.90
22 07 19 00-0501	LF	2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.56 1.79	2.99
22 07 19 00-0502	LF	3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.05 1.82	3.03
22 07 19 00-0503	LF	4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.99 1.87	3.11
22 07 19 00-0504		3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0477)		
22 07 19 00-0505	LF	1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.37 1.72	2.86
22 07 19 00-0506	LF	1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.41 1.72	2.86
22 07 19 00-0507	LF	3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.59 1.74	2.90
22 07 19 00-0508	LF	1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.85 1.79	2.99
22 07 19 00-0509	LF	3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.19 1.82	3.03
22 07 19 00-0510	LF	1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 1.87	3.11
22 07 19 00-0511	LF	1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.07 1.89	3.16
22 07 19 00-0512	LF	1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.42 1.91	3.16
22 07 19 00-0513	LF	2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.82 1.92	3.20
22 07 19 00-0514	LF	2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.61 1.97	3.28
22 07 19 00-0515	LF	3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.31 2.00	3.33
22 07 19 00-0516	LF	4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 2.05	3.41
22 07 19 00-0517		1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0477)		
22 07 19 00-0518	LF	1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.48 1.89	3.16
22 07 19 00-0519	LF	1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.51 1.89	3.16
22 07 19 00-0520	LF	3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.63 1.92	3.20
22 07 19 00-0521	LF	1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.88 1.97	3.28
22 07 19 00-0522	LF	3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.36 2.00	3.33
22 07 19 00-0523	LF	1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.80 2.05	3.41
22 07 19 00-0524	LF	1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.24 2.10	3.50
22 07 19 00-0525	LF	1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.64 2.12	3.50
22 07 19 00-0526	LF	2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.52 2.15	3.58
22 07 19 00-0527	LF	2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.72 2.20	3.67
22 07 19 00-0528	LF	3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.56 2.23	3.72

22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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demolition tasks.

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	12.51	2.99
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.39	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.28	
		For Work In Restricted Working Space, Add	2.98	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	13.49	3.21
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.45	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.59	
		For Work In Restricted Working Space, Add	3.15	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	14.42	3.52
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.48	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.84	
		For Work In Restricted Working Space, Add	3.37	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.03	3.67
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.62	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.44	
		For Work In Restricted Working Space, Add	3.58	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.92	4.34
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.67	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.73	
		For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	19.91	5.24
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.86	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.71	
		For Work In Restricted Working Space, Add	4.25	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	26.01	6.21
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.41	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.03	
		For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.38	8.31
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.84	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	10.16	
		For Work In Restricted Working Space, Add	6.03	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	40.13	9.65
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-2.64	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	13.30	
		For Work In Restricted Working Space, Add	6.76	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	51.05	12.34
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-3.57	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	17.36	
		For Work In Restricted Working Space, Add	8.17	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	62.36	14.59
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-4.71	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	21.90	
		For Work In Restricted Working Space, Add	9.28	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings (22 11 16)

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping (22 11 16 00-0013)

Note: ASTM A-53. Includes coupling.

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0015 LF 1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.22	2.99
For ASTM 120, Deduct	-0.25	
For Schedule 80 Pipe, Add	1.26	
For Work In Restricted Working Space, Add	1.36	
22 11 16 00-0016 LF 3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.89	3.21
For ASTM 120, Deduct	-0.31	
For Schedule 80 Pipe, Add	1.48	
For Work In Restricted Working Space, Add	1.45	
22 11 16 00-0017 LF 1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.47	3.52
For ASTM 120, Deduct	-0.33	
For Schedule 80 Pipe, Add	1.59	
For Work In Restricted Working Space, Add	1.57	
22 11 16 00-0018 LF 1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.62	3.67
For ASTM 120, Deduct	-0.46	
For Schedule 80 Pipe, Add	2.03	
For Work In Restricted Working Space, Add	1.66	
22 11 16 00-0019 LF 1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	10.10	4.34
For ASTM 120, Deduct	-0.54	
For Schedule 80 Pipe, Add	2.37	
For Work In Restricted Working Space, Add	1.95	
22 11 16 00-0020 LF 2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	12.70	5.24
For ASTM 120, Deduct	-0.72	
For Schedule 80 Pipe, Add	3.10	
For Work In Restricted Working Space, Add	2.36	
22 11 16 00-0021 LF 2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	17.02	6.21
For ASTM 120, Deduct	-1.15	
For Schedule 80 Pipe, Add	4.61	
For Work In Restricted Working Space, Add	2.81	
22 11 16 00-0022 LF 3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	22.48	8.31
For ASTM 120, Deduct	-1.50	
For Schedule 80 Pipe, Add	6.05	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0023 LF 4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	28.75	9.65
For ASTM 120, Deduct	-2.14	
For Schedule 80 Pipe, Add	8.29	
For Work In Restricted Working Space, Add	4.35	
22 11 16 00-0024 LF 5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	37.77	12.34
For ASTM 120, Deduct	-2.90	
For Schedule 80 Pipe, Add	11.11	
For Work In Restricted Working Space, Add	5.54	
22 11 16 00-0025 LF 6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	46.89	14.59
For ASTM 120, Deduct	-3.76	
For Schedule 80 Pipe, Add	14.20	
For Work In Restricted Working Space, Add	6.56	
22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	21.97	13.32
For ASTM 120, Deduct	-0.30	
For 225 LB Rating, Add	4.14	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	8.07	
22 11 16 00-0028 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	24.74	14.89
For ASTM 120, Deduct	-0.36	
For 225 LB Rating, Add	4.92	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	9.50	
22 11 16 00-0029 EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	29.56	16.61
For ASTM 120, Deduct	-0.69	
For 225 LB Rating, Add	9.45	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	17.17	
22 11 16 00-0030 EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.44	18.86
For ASTM 120, Deduct	-1.08	
For 225 LB Rating, Add	14.76	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	26.17	
22 11 16 00-0031 EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	41.32	21.25
For ASTM 120, Deduct	-1.42	
For 225 LB Rating, Add	19.41	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	34.11	
22 11 16 00-0032 EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	54.09	27.02
For ASTM 120, Deduct	-2.05	
For 225 LB Rating, Add	27.96	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	48.80	
22 11 16 00-0033 EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	99.33	39.96
For ASTM 120, Deduct	-5.92	
For 225 LB Rating, Add	80.89	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	137.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	145.07	52.54
			<i>For ASTM 120, Deduct</i>	-9.94	
			<i>For 225 LB Rating, Add</i>	135.89	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For 300 LB Rating, Add</i>	230.11	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	199.42	56.45
			<i>For ASTM 120, Deduct</i>	-17.22	
			<i>For 225 LB Rating, Add</i>	235.28	
			<i>For Work In Restricted Working Space, Add</i>	25.40	
			<i>For 300 LB Rating, Add</i>	395.30	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	468.18	58.91
			<i>For ASTM 120, Deduct</i>	-56.98	
			<i>For 225 LB Rating, Add</i>	778.69	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
			<i>For 300 LB Rating, Add</i>	1,296.79	
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	469.22	61.60
			<i>For ASTM 120, Deduct</i>	-56.53	
			<i>For 225 LB Rating, Add</i>	772.60	
			<i>For Work In Restricted Working Space, Add</i>	27.70	
			<i>For 300 LB Rating, Add</i>	1,286.93	
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	20.16	10.63
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.78	
			<i>For 300 LB Rating, Add</i>	15.34	
22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.66	13.47
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For 300 LB Rating, Add</i>	19.68	
22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.66	13.47
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For 300 LB Rating, Add</i>	19.68	
22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.33	18.86
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For 300 LB Rating, Add</i>	32.60	
22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.53	18.86
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For 300 LB Rating, Add</i>	36.68	
22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.53	18.86
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For 300 LB Rating, Add</i>	36.68	
22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	45.04	21.25
			<i>For ASTM 120, Deduct</i>	-1.98	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For 300 LB Rating, Add</i>	46.76	
22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	45.04	21.25
			<i>For ASTM 120, Deduct</i>	-1.98	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For 300 LB Rating, Add</i>	46.76	
22 11 16 00-0047	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	45.04	21.25
			<i>For ASTM 120, Deduct</i>	-1.98	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For 300 LB Rating, Add</i>	46.76	
22 11 16 00-0048	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	56.42	27.02
			<i>For ASTM 120, Deduct</i>	-2.40	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	56.73	
22 11 16 00-0049	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.69	27.02
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	64.44	
22 11 16 00-0050	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.69	27.02
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	64.44	
22 11 16 00-0051	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.69	27.02
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	64.44	
22 11 16 00-0052	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	111.95	39.96
			<i>For ASTM 120, Deduct</i>	-7.81	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For 300 LB Rating, Add</i>	180.66	
22 11 16 00-0053	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	117.13	39.96
			<i>For ASTM 120, Deduct</i>	-8.59	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For 300 LB Rating, Add</i>	198.28	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0054 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	160.91	52.54
For ASTM 120, Deduct	-12.32	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	283.97	
22 11 16 00-0055 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	160.91	52.54
For ASTM 120, Deduct	-12.32	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	283.97	
22 11 16 00-0056 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	243.86	56.45
For ASTM 120, Deduct	-23.88	
For Work In Restricted Working Space, Add	25.40	
For 300 LB Rating, Add	546.39	
22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0058 EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	23.11	13.32
For ASTM 120, Deduct	-0.47	
For 225 LB Rating, Add	6.48	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	11.94	
22 11 16 00-0059 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	26.82	14.89
For ASTM 120, Deduct	-0.67	
For 225 LB Rating, Add	9.18	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	16.57	
22 11 16 00-0060 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	30.06	16.61
For ASTM 120, Deduct	-0.77	
For 225 LB Rating, Add	10.48	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	18.87	
22 11 16 00-0061 EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.65	18.86
For ASTM 120, Deduct	-1.41	
For 225 LB Rating, Add	19.29	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	33.69	
22 11 16 00-0062 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	43.09	21.25
For ASTM 120, Deduct	-1.69	
For 225 LB Rating, Add	23.04	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	40.13	
22 11 16 00-0063 EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	54.97	27.02
For ASTM 120, Deduct	-2.18	
For 225 LB Rating, Add	29.77	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	51.80	
22 11 16 00-0064 EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	113.72	39.96
For ASTM 120, Deduct	-8.08	
For 225 LB Rating, Add	110.39	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	186.68	
22 11 16 00-0065 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	161.60	52.54
For ASTM 120, Deduct	-12.42	
For 225 LB Rating, Add	169.78	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	286.31	
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	215.89	56.45
For ASTM 120, Deduct	-19.69	
For 225 LB Rating, Add	269.04	
For Work In Restricted Working Space, Add	25.40	
For 300 LB Rating, Add	451.30	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	518.30	58.91
For ASTM 120, Deduct	-64.50	
For 225 LB Rating, Add	881.44	
For Work In Restricted Working Space, Add	26.50	
For 300 LB Rating, Add	1,467.20	
22 11 16 00-0068 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	551.10	61.60
For ASTM 120, Deduct	-68.81	
For 225 LB Rating, Add	940.46	
For Work In Restricted Working Space, Add	27.70	
For 300 LB Rating, Add	1,565.32	
22 11 16 00-0069 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070 EA 1/2", 150 LB, Galvanized Malleable Iron Tee.....	27.41	16.61
For ASTM 120, Deduct	-0.37	
For 225 LB Rating, Add	5.04	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	9.86	
22 11 16 00-0071 EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	33.02	19.23
For ASTM 120, Deduct	-0.63	
For 225 LB Rating, Add	8.67	
For Work In Restricted Working Space, Add	8.64	
For 300 LB Rating, Add	16.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0072 EA 1", 150 LB, Galvanized Malleable Iron Tee.....	40.96	22.67
For ASTM 120, Deduct	-1.04	
For 225 LB Rating, Add	14.23	
For Work In Restricted Working Space, Add	10.21	
For 300 LB Rating, Add	25.64	
22 11 16 00-0073 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee	51.37	27.02
For ASTM 120, Deduct	-1.64	
For 225 LB Rating, Add	22.39	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	39.56	
22 11 16 00-0074 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee	61.92	32.18
For ASTM 120, Deduct	-2.05	
For 225 LB Rating, Add	27.96	
For Work In Restricted Working Space, Add	14.48	
For 300 LB Rating, Add	49.27	
22 11 16 00-0075 EA 2", 150 LB, Galvanized Malleable Iron Tee.....	79.57	39.96
For ASTM 120, Deduct	-2.96	
For 225 LB Rating, Add	40.39	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	70.57	
22 11 16 00-0076 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee	126.24	43.40
For ASTM 120, Deduct	-9.18	
For 225 LB Rating, Add	125.40	
For Work In Restricted Working Space, Add	19.52	
For 300 LB Rating, Add	211.88	
22 11 16 00-0077 EA 3", 150 LB, Galvanized Malleable Iron Tee.....	150.49	52.54
For ASTM 120, Deduct	-10.76	
For 225 LB Rating, Add	147.01	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	248.54	
22 11 16 00-0078 EA 4", 150 LB, Galvanized Malleable Iron Tee.....	276.12	71.32
For ASTM 120, Deduct	-25.38	
For 225 LB Rating, Add	346.84	
For Work In Restricted Working Space, Add	32.08	
For 300 LB Rating, Add	581.66	
22 11 16 00-0079 EA 5", 150 LB, Galvanized Malleable Iron Tee.....	556.25	84.67
For ASTM 120, Deduct	-64.39	
For 225 LB Rating, Add	880.02	
For Work In Restricted Working Space, Add	38.09	
For 300 LB Rating, Add	1,467.17	
22 11 16 00-0080 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	621.54	96.79
For ASTM 120, Deduct	-71.46	
For 225 LB Rating, Add	976.68	
For Work In Restricted Working Space, Add	43.53	
For 300 LB Rating, Add	1,628.57	
22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	30.19	16.61
For ASTM 120, Deduct	-0.79	
For 225 LB Rating, Add	10.74	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	19.31	
22 11 16 00-0083 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	34.66	19.23
For ASTM 120, Deduct	-0.88	
For 225 LB Rating, Add	12.03	
For Work In Restricted Working Space, Add	8.64	
For 300 LB Rating, Add	21.69	
22 11 16 00-0084 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	42.23	22.67
For ASTM 120, Deduct	-1.23	
For 225 LB Rating, Add	16.83	
For Work In Restricted Working Space, Add	10.21	
For 300 LB Rating, Add	29.96	
22 11 16 00-0085 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	53.08	27.02
For ASTM 120, Deduct	-1.89	
For 225 LB Rating, Add	25.89	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	45.37	
22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	64.00	32.18
For ASTM 120, Deduct	-2.36	
For 225 LB Rating, Add	32.23	
For Work In Restricted Working Space, Add	14.48	
For 300 LB Rating, Add	56.34	
22 11 16 00-0087 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	85.31	39.96
For ASTM 120, Deduct	-3.82	
For 225 LB Rating, Add	52.15	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	90.09	
22 11 16 00-0088 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	134.34	43.55
For ASTM 120, Deduct	-10.36	
For 225 LB Rating, Add	141.57	
For Work In Restricted Working Space, Add	19.58	
For 300 LB Rating, Add	238.72	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0089	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	173.77	53.36
			<i>For ASTM 120, Deduct</i>	-14.06	
			<i>For 225 LB Rating, Add</i>	192.19	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
			<i>For 300 LB Rating, Add</i>	323.55	
22 11 16 00-0090	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	294.11	71.32
			<i>For ASTM 120, Deduct</i>	-28.08	
			<i>For 225 LB Rating, Add</i>	383.72	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
			<i>For 300 LB Rating, Add</i>	642.83	
22 11 16 00-0091	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	221.86	84.67
			<i>For ASTM 120, Deduct</i>	-14.23	
			<i>For 225 LB Rating, Add</i>	194.52	
			<i>For Work In Restricted Working Space, Add</i>	38.09	
			<i>For 300 LB Rating, Add</i>	330.24	
22 11 16 00-0092	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	657.34	96.79
			<i>For ASTM 120, Deduct</i>	-76.83	
			<i>For 225 LB Rating, Add</i>	1,050.07	
			<i>For Work In Restricted Working Space, Add</i>	43.53	
			<i>For 300 LB Rating, Add</i>	1,750.29	
22 11 16 00-0093			Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling.....	22.85	13.32
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For 225 LB Rating, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For 300 LB Rating, Add</i>	11.06	
22 11 16 00-0095	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling.....	25.69	14.89
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For 225 LB Rating, Add</i>	6.87	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
			<i>For 300 LB Rating, Add</i>	12.73	
22 11 16 00-0096	EA		1", 150 LB, Galvanized Malleable Iron Coupling.....	30.51	16.61
			<i>For ASTM 120, Deduct</i>	-0.83	
			<i>For 225 LB Rating, Add</i>	11.40	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
			<i>For 300 LB Rating, Add</i>	20.40	
22 11 16 00-0097	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	35.75	18.86
			<i>For ASTM 120, Deduct</i>	-1.13	
			<i>For 225 LB Rating, Add</i>	15.40	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For 300 LB Rating, Add</i>	27.23	
22 11 16 00-0098	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	40.56	21.25
			<i>For ASTM 120, Deduct</i>	-1.31	
			<i>For 225 LB Rating, Add</i>	17.86	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For 300 LB Rating, Add</i>	31.53	
22 11 16 00-0099	EA		2", 150 LB, Galvanized Malleable Iron Coupling.....	53.20	27.02
			<i>For ASTM 120, Deduct</i>	-1.91	
			<i>For 225 LB Rating, Add</i>	26.14	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	45.78	
22 11 16 00-0100	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	95.98	39.96
			<i>For ASTM 120, Deduct</i>	-5.42	
			<i>For 225 LB Rating, Add</i>	74.03	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For 300 LB Rating, Add</i>	126.37	
22 11 16 00-0101	EA		3", 150 LB, Galvanized Malleable Iron Coupling.....	127.96	52.54
			<i>For ASTM 120, Deduct</i>	-7.38	
			<i>For 225 LB Rating, Add</i>	100.82	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For 300 LB Rating, Add</i>	171.94	
22 11 16 00-0102	EA		4", 150 LB, Galvanized Malleable Iron Coupling.....	180.79	56.45
			<i>For ASTM 120, Deduct</i>	-14.42	
			<i>For 225 LB Rating, Add</i>	197.09	
			<i>For Work In Restricted Working Space, Add</i>	25.40	
			<i>For 300 LB Rating, Add</i>	331.96	
22 11 16 00-0103	EA		5", 150 LB, Galvanized Malleable Iron Coupling.....	267.17	58.91
			<i>For ASTM 120, Deduct</i>	-26.83	
			<i>For 225 LB Rating, Add</i>	366.62	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
			<i>For 300 LB Rating, Add</i>	613.36	
22 11 16 00-0104	EA		6", 150 LB, Galvanized Malleable Iron Coupling.....	312.41	61.60
			<i>For ASTM 120, Deduct</i>	-33.01	
			<i>For 225 LB Rating, Add</i>	451.14	
			<i>For Work In Restricted Working Space, Add</i>	27.70	
			<i>For 300 LB Rating, Add</i>	753.78	
22 11 16 00-0105			Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	22.85	13.32
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For 225 LB Rating, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For 300 LB Rating, Add</i>	11.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	25.75	14.89
For ASTM 120, Deduct	-0.51	
For 225 LB Rating, Add	6.99	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	12.93	
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	30.25	16.61
For ASTM 120, Deduct	-0.80	
For 225 LB Rating, Add	10.87	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	19.52	
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	35.63	18.86
For ASTM 120, Deduct	-1.11	
For 225 LB Rating, Add	15.15	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	26.82	
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	40.69	21.25
For ASTM 120, Deduct	-1.33	
For 225 LB Rating, Add	18.12	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	31.97	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	53.20	27.02
For ASTM 120, Deduct	-1.91	
For 225 LB Rating, Add	26.14	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	45.78	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	97.12	39.96
For ASTM 120, Deduct	-5.59	
For 225 LB Rating, Add	76.36	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	130.24	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	128.34	52.54
For ASTM 120, Deduct	-7.43	
For 225 LB Rating, Add	101.60	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	173.23	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	191.84	56.45
For ASTM 120, Deduct	-16.08	
For 225 LB Rating, Add	219.74	
For Work In Restricted Working Space, Add	25.40	
For 300 LB Rating, Add	369.53	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	310.54	58.91
For ASTM 120, Deduct	-33.33	
For 225 LB Rating, Add	455.53	
For Work In Restricted Working Space, Add	26.50	
For 300 LB Rating, Add	760.81	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	354.96	61.60
For ASTM 120, Deduct	-39.39	
For 225 LB Rating, Add	538.37	
For Work In Restricted Working Space, Add	27.70	
For 300 LB Rating, Add	898.45	
22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap	11.25	6.21
For ASTM 120, Deduct	-0.28	
For 225 LB Rating, Add	3.87	
For Work In Restricted Working Space, Add	2.81	
For 300 LB Rating, Add	6.99	
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap	13.07	6.66
For ASTM 120, Deduct	-0.46	
For 225 LB Rating, Add	6.33	
For Work In Restricted Working Space, Add	2.99	
For 300 LB Rating, Add	11.10	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap	14.98	7.71
For ASTM 120, Deduct	-0.52	
For 225 LB Rating, Add	7.11	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	12.49	
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap	17.06	8.08
For ASTM 120, Deduct	-0.75	
For 225 LB Rating, Add	10.23	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	17.69	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap	18.45	8.08
For ASTM 120, Deduct	-0.96	
For 225 LB Rating, Add	13.08	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	22.42	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap	24.12	10.70
For ASTM 120, Deduct	-1.20	
For 225 LB Rating, Add	16.44	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	28.23	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap	44.19	13.32
For ASTM 120, Deduct	-3.64	
For 225 LB Rating, Add	49.69	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	83.61	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap	52.48	16.09
For ASTM 120, Deduct	-4.25	
For 225 LB Rating, Add	58.10	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	97.80	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap	90.63	19.38
For ASTM 120, Deduct	-9.24	
For 225 LB Rating, Add	126.30	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	211.22	
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	158.81	24.23
For ASTM 120, Deduct	-18.38	
For 225 LB Rating, Add	251.19	
For Work In Restricted Working Space, Add	10.88	
For 300 LB Rating, Add	418.78	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	255.47	28.80
For ASTM 120, Deduct	-31.84	
For 225 LB Rating, Add	435.09	
For Work In Restricted Working Space, Add	12.97	
For 300 LB Rating, Add	724.21	
22 11 16 00-0129 Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	33.22	16.61
For 225 LB Rating, Add	16.95	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	29.62	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	37.25	19.23
For 225 LB Rating, Add	17.34	
For Work In Restricted Working Space, Add	8.64	
For 300 LB Rating, Add	30.49	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	46.46	22.67
For 225 LB Rating, Add	25.50	
For Work In Restricted Working Space, Add	10.21	
For 300 LB Rating, Add	44.34	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	58.44	27.02
For 225 LB Rating, Add	36.88	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	63.59	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	70.56	32.18
For 225 LB Rating, Add	45.67	
For Work In Restricted Working Space, Add	14.48	
For 300 LB Rating, Add	78.65	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	85.44	39.96
For 225 LB Rating, Add	52.42	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	90.53	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	139.25	43.40
For 225 LB Rating, Add	152.07	
For Work In Restricted Working Space, Add	19.52	
For 300 LB Rating, Add	256.12	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	200.81	52.54
For 225 LB Rating, Add	250.16	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	419.63	
22 11 16 00-0138 Galvanized Steel Nipples (22 11 16 00-0013)		
Note: ASTM A-53.		
22 11 16 00-0139 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.38	7.11
For ASTM 120, Deduct	-0.10	
For Schedule 80 Nipples, Add	0.79	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.99	
22 11 16 00-0140 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple	11.25	7.11
For ASTM 120, Deduct	-0.08	
For Schedule 80 Nipples, Add	0.64	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.55	
22 11 16 00-0141 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple	11.37	7.11
For ASTM 120, Deduct	-0.10	
For Schedule 80 Nipples, Add	0.78	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.95	
22 11 16 00-0142 EA 1" x Close, Schedule 40 Galvanized Steel Nipple	12.44	7.71
For ASTM 120, Deduct	-0.14	
For Schedule 80 Nipples, Add	1.06	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	3.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0143 EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	13.72	8.31
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.43	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	5.00	
22 11 16 00-0144 EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	13.93	8.31
For ASTM 120, Deduct	-0.22	
For Schedule 80 Nipples, Add	1.66	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	5.71	
22 11 16 00-0145 EA 2" x Close, Schedule 40 Galvanized Steel Nipple	18.16	10.70
For ASTM 120, Deduct	-0.31	
For Schedule 80 Nipples, Add	2.35	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	7.97	
22 11 16 00-0146 EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.09	13.32
For ASTM 120, Deduct	-0.92	
For Schedule 80 Nipples, Add	7.00	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	22.07	
22 11 16 00-0147 EA 3" x Close, Schedule 40 Galvanized Steel Nipple	31.50	16.09
For ASTM 120, Deduct	-1.10	
For Schedule 80 Nipples, Add	8.39	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	26.47	
22 11 16 00-0148 EA 4" x Close, Schedule 40 Galvanized Steel Nipple	40.05	19.38
For ASTM 120, Deduct	-1.65	
For Schedule 80 Nipples, Add	12.57	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	39.24	
22 11 16 00-0149 EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.48	7.11
For ASTM 120, Deduct	-0.12	
For Schedule 80 Nipples, Add	0.90	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.33	
22 11 16 00-0150 EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.28	7.11
For ASTM 120, Deduct	-0.09	
For Schedule 80 Nipples, Add	0.67	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.65	
22 11 16 00-0151 EA 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.43	7.11
For ASTM 120, Deduct	-0.11	
For Schedule 80 Nipples, Add	0.84	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.16	
22 11 16 00-0152 EA 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.48	7.11
For ASTM 120, Deduct	-0.12	
For Schedule 80 Nipples, Add	0.90	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.33	
22 11 16 00-0153 EA 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.28	7.11
For ASTM 120, Deduct	-0.09	
For Schedule 80 Nipples, Add	0.67	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.65	
22 11 16 00-0154 EA 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.43	7.11
For ASTM 120, Deduct	-0.11	
For Schedule 80 Nipples, Add	0.84	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.16	
22 11 16 00-0155 EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.61	7.71
For ASTM 120, Deduct	-0.17	
For Schedule 80 Nipples, Add	1.25	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	4.43	
22 11 16 00-0156 EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.81	8.31
For ASTM 120, Deduct	-0.20	
For Schedule 80 Nipples, Add	1.53	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	5.30	
22 11 16 00-0157 EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.04	8.31
For ASTM 120, Deduct	-0.24	
For Schedule 80 Nipples, Add	1.79	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	6.09	
22 11 16 00-0158 EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.75	7.11
For ASTM 120, Deduct	-0.16	
For Schedule 80 Nipples, Add	1.21	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.25	
22 11 16 00-0159 EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.38	7.11
For ASTM 120, Deduct	-0.10	
For Schedule 80 Nipples, Add	0.79	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.99	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0160 EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.51	7.11
For ASTM 120, Deduct	-0.12	
For Schedule 80 Nipples, Add	0.93	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.43	
22 11 16 00-0161 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.70	7.71
For ASTM 120, Deduct	-0.18	
For Schedule 80 Nipples, Add	1.36	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	4.74	
22 11 16 00-0162 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.94	8.31
For ASTM 120, Deduct	-0.22	
For Schedule 80 Nipples, Add	1.68	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	5.75	
22 11 16 00-0163 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.22	8.31
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	6.70	
22 11 16 00-0164 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.42	10.70
For ASTM 120, Deduct	-0.35	
For Schedule 80 Nipples, Add	2.64	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	8.85	
22 11 16 00-0165 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	11.75	7.11
For ASTM 120, Deduct	-0.16	
For Schedule 80 Nipples, Add	1.21	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.25	
22 11 16 00-0166 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	11.38	7.11
For ASTM 120, Deduct	-0.10	
For Schedule 80 Nipples, Add	0.79	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	2.99	
22 11 16 00-0167 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	11.51	7.11
For ASTM 120, Deduct	-0.12	
For Schedule 80 Nipples, Add	0.93	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.43	
22 11 16 00-0168 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	12.70	7.71
For ASTM 120, Deduct	-0.18	
For Schedule 80 Nipples, Add	1.36	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	4.74	
22 11 16 00-0169 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	13.94	8.31
For ASTM 120, Deduct	-0.22	
For Schedule 80 Nipples, Add	1.68	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	5.75	
22 11 16 00-0170 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.22	8.31
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	6.70	
22 11 16 00-0171 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	18.42	10.70
For ASTM 120, Deduct	-0.35	
For Schedule 80 Nipples, Add	2.64	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	8.85	
22 11 16 00-0172 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.33	13.32
For ASTM 120, Deduct	-0.96	
For Schedule 80 Nipples, Add	7.27	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	22.89	
22 11 16 00-0173 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	32.52	16.09
For ASTM 120, Deduct	-1.26	
For Schedule 80 Nipples, Add	9.55	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	29.94	
22 11 16 00-0174 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.94	7.11
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.43	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.89	
22 11 16 00-0175 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.54	7.11
For ASTM 120, Deduct	-0.13	
For Schedule 80 Nipples, Add	0.97	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.53	
22 11 16 00-0176 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.75	7.11
For ASTM 120, Deduct	-0.16	
For Schedule 80 Nipples, Add	1.21	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0177 EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.94	7.71
For ASTM 120, Deduct	-0.21	
For Schedule 80 Nipples, Add	1.63	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	5.55	
22 11 16 00-0178 EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.22	8.31
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	6.70	
22 11 16 00-0179 EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.68	8.31
For ASTM 120, Deduct	-0.33	
For Schedule 80 Nipples, Add	2.52	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	8.26	
22 11 16 00-0180 EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.92	10.70
For ASTM 120, Deduct	-0.42	
For Schedule 80 Nipples, Add	3.21	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	10.55	
22 11 16 00-0181 EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.35	13.32
For ASTM 120, Deduct	-1.11	
For Schedule 80 Nipples, Add	8.44	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	26.36	
22 11 16 00-0182 EA 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.97	16.09
For ASTM 120, Deduct	-1.47	
For Schedule 80 Nipples, Add	11.21	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	34.87	
22 11 16 00-0183 EA 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	11.94	7.11
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.43	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.89	
22 11 16 00-0184 EA 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	11.54	7.11
For ASTM 120, Deduct	-0.13	
For Schedule 80 Nipples, Add	0.97	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	3.53	
22 11 16 00-0185 EA 3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	11.94	7.11
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.43	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.89	
22 11 16 00-0186 EA 1" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.94	7.71
For ASTM 120, Deduct	-0.21	
For Schedule 80 Nipples, Add	1.63	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	5.55	
22 11 16 00-0187 EA 1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.22	8.31
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	6.70	
22 11 16 00-0188 EA 1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.68	8.31
For ASTM 120, Deduct	-0.33	
For Schedule 80 Nipples, Add	2.52	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	8.26	
22 11 16 00-0189 EA 2" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.94	10.70
For ASTM 120, Deduct	-0.43	
For Schedule 80 Nipples, Add	3.24	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	10.62	
22 11 16 00-0190 EA 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.35	13.32
For ASTM 120, Deduct	-1.11	
For Schedule 80 Nipples, Add	8.44	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	26.36	
22 11 16 00-0191 EA 3" x 4" Long, Schedule 40 Galvanized Steel Nipple	33.97	16.09
For ASTM 120, Deduct	-1.47	
For Schedule 80 Nipples, Add	11.21	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	34.87	
22 11 16 00-0192 EA 4" x 4" Long, Schedule 40 Galvanized Steel Nipple	42.21	19.38
For ASTM 120, Deduct	-1.98	
For Schedule 80 Nipples, Add	15.04	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	46.59	
22 11 16 00-0193 EA 3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.42	7.11
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	1.97	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	6.52	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0194 EA 1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.72	7.11
For ASTM 120, Deduct	-0.15	
For Schedule 80 Nipples, Add	1.17	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.14	
22 11 16 00-0195 EA 3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.95	7.11
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.44	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.93	
22 11 16 00-0196 EA 1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.26	7.71
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	6.64	
22 11 16 00-0197 EA 1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.64	8.31
For ASTM 120, Deduct	-0.33	
For Schedule 80 Nipples, Add	2.47	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	8.13	
22 11 16 00-0198 EA 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.15	8.31
For ASTM 120, Deduct	-0.40	
For Schedule 80 Nipples, Add	3.06	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	9.86	
22 11 16 00-0199 EA 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.70	10.70
For ASTM 120, Deduct	-0.54	
For Schedule 80 Nipples, Add	4.10	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	13.21	
22 11 16 00-0200 EA 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.21	13.32
For ASTM 120, Deduct	-1.24	
For Schedule 80 Nipples, Add	9.42	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	29.28	
22 11 16 00-0201 EA 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.59	16.09
For ASTM 120, Deduct	-1.72	
For Schedule 80 Nipples, Add	13.05	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	40.38	
22 11 16 00-0202 EA 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	43.82	19.38
For ASTM 120, Deduct	-2.22	
For Schedule 80 Nipples, Add	16.87	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	52.06	
22 11 16 00-0203 EA 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	12.42	7.11
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	1.97	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	6.52	
22 11 16 00-0204 EA 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	11.72	7.11
For ASTM 120, Deduct	-0.15	
For Schedule 80 Nipples, Add	1.17	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.14	
22 11 16 00-0205 EA 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	11.95	7.11
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.44	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	4.93	
22 11 16 00-0206 EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	13.26	7.71
For ASTM 120, Deduct	-0.26	
For Schedule 80 Nipples, Add	2.00	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	6.64	
22 11 16 00-0207 EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.64	8.31
For ASTM 120, Deduct	-0.33	
For Schedule 80 Nipples, Add	2.47	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	8.13	
22 11 16 00-0208 EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.15	8.31
For ASTM 120, Deduct	-0.40	
For Schedule 80 Nipples, Add	3.06	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	9.86	
22 11 16 00-0209 EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	19.70	10.70
For ASTM 120, Deduct	-0.54	
For Schedule 80 Nipples, Add	4.10	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	13.21	
22 11 16 00-0210 EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.21	13.32
For ASTM 120, Deduct	-1.24	
For Schedule 80 Nipples, Add	9.42	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	29.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0211 EA 3" x 5" Long, Schedule 40 Galvanized Steel Nipple	35.59	16.09
<i>For ASTM 120, Deduct</i>	-1.72	
<i>For Schedule 80 Nipples, Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For 300 LB Rating, Add</i>	40.38	
22 11 16 00-0212 EA 4" x 5" Long, Schedule 40 Galvanized Steel Nipple	43.82	19.38
<i>For ASTM 120, Deduct</i>	-2.22	
<i>For Schedule 80 Nipples, Add</i>	16.87	
<i>For Work In Restricted Working Space, Add</i>	8.71	
<i>For 300 LB Rating, Add</i>	52.06	
22 11 16 00-0213 EA 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.61	7.11
<i>For ASTM 120, Deduct</i>	-0.29	
<i>For Schedule 80 Nipples, Add</i>	2.19	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	7.17	
22 11 16 00-0214 EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	11.85	7.11
<i>For ASTM 120, Deduct</i>	-0.17	
<i>For Schedule 80 Nipples, Add</i>	1.32	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	4.59	
22 11 16 00-0215 EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.20	7.11
<i>For ASTM 120, Deduct</i>	-0.23	
<i>For Schedule 80 Nipples, Add</i>	1.72	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	5.78	
22 11 16 00-0216 EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.50	7.71
<i>For ASTM 120, Deduct</i>	-0.30	
<i>For Schedule 80 Nipples, Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For 300 LB Rating, Add</i>	7.46	
22 11 16 00-0217 EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.98	8.31
<i>For ASTM 120, Deduct</i>	-0.38	
<i>For Schedule 80 Nipples, Add</i>	2.86	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For 300 LB Rating, Add</i>	9.28	
22 11 16 00-0218 EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.48	8.31
<i>For ASTM 120, Deduct</i>	-0.45	
<i>For Schedule 80 Nipples, Add</i>	3.43	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For 300 LB Rating, Add</i>	10.98	
22 11 16 00-0219 EA 2" x 6" Long, Schedule 40 Galvanized Steel Nipple	20.28	10.70
<i>For ASTM 120, Deduct</i>	-0.63	
<i>For Schedule 80 Nipples, Add</i>	4.77	
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For 300 LB Rating, Add</i>	15.18	
22 11 16 00-0220 EA 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.02	13.32
<i>For ASTM 120, Deduct</i>	-1.36	
<i>For Schedule 80 Nipples, Add</i>	10.34	
<i>For Work In Restricted Working Space, Add</i>	5.99	
<i>For 300 LB Rating, Add</i>	32.04	
22 11 16 00-0221 EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple	36.25	16.09
<i>For ASTM 120, Deduct</i>	-1.82	
<i>For Schedule 80 Nipples, Add</i>	13.81	
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For 300 LB Rating, Add</i>	42.62	
22 11 16 00-0222 EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple	45.38	19.38
<i>For ASTM 120, Deduct</i>	-2.45	
<i>For Schedule 80 Nipples, Add</i>	18.65	
<i>For Work In Restricted Working Space, Add</i>	8.71	
<i>For 300 LB Rating, Add</i>	57.37	
22 11 16 00-0223 EA 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	18.36	7.11
<i>For ASTM 120, Deduct</i>	-1.15	
<i>For Schedule 80 Nipples, Add</i>	8.74	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	26.72	
22 11 16 00-0224 EA 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	12.74	7.11
<i>For ASTM 120, Deduct</i>	-0.31	
<i>For Schedule 80 Nipples, Add</i>	2.34	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	7.61	
22 11 16 00-0225 EA 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	13.31	7.11
<i>For ASTM 120, Deduct</i>	-0.39	
<i>For Schedule 80 Nipples, Add</i>	2.99	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For 300 LB Rating, Add</i>	9.55	
22 11 16 00-0226 EA 1" x 8" Long, Schedule 40 Galvanized Steel Nipple	14.83	7.71
<i>For ASTM 120, Deduct</i>	-0.50	
<i>For Schedule 80 Nipples, Add</i>	3.78	
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For 300 LB Rating, Add</i>	11.98	
22 11 16 00-0227 EA 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.54	8.31
<i>For ASTM 120, Deduct</i>	-0.61	
<i>For Schedule 80 Nipples, Add</i>	4.64	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For 300 LB Rating, Add</i>	14.59	

22	Plumbing
22 10	Plumbing Piping
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0228 EA 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	17.14	8.31
For ASTM 120, Deduct	-0.70	
For Schedule 80 Nipples, Add	5.32	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	16.63	
22 11 16 00-0229 EA 2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	22.92	10.70
For ASTM 120, Deduct	-1.02	
For Schedule 80 Nipples, Add	7.77	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	24.15	
22 11 16 00-0230 EA 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.63	13.32
For ASTM 120, Deduct	-1.75	
For Schedule 80 Nipples, Add	13.32	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	40.91	
22 11 16 00-0231 EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	40.46	16.09
For ASTM 120, Deduct	-2.45	
For Schedule 80 Nipples, Add	18.60	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	56.94	
22 11 16 00-0232 EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	48.54	19.38
For ASTM 120, Deduct	-2.93	
For Schedule 80 Nipples, Add	22.25	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	68.11	
22 11 16 00-0233 EA 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	14.35	7.11
For ASTM 120, Deduct	-0.55	
For Schedule 80 Nipples, Add	4.17	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	13.09	
22 11 16 00-0234 EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	13.13	7.11
For ASTM 120, Deduct	-0.37	
For Schedule 80 Nipples, Add	2.78	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	8.94	
22 11 16 00-0235 EA 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	13.60	7.11
For ASTM 120, Deduct	-0.44	
For Schedule 80 Nipples, Add	3.32	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	10.54	
22 11 16 00-0236 EA 1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	15.31	7.71
For ASTM 120, Deduct	-0.57	
For Schedule 80 Nipples, Add	4.33	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	13.61	
22 11 16 00-0237 EA 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.34	8.31
For ASTM 120, Deduct	-0.73	
For Schedule 80 Nipples, Add	5.55	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	17.31	
22 11 16 00-0238 EA 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.92	8.31
For ASTM 120, Deduct	-0.82	
For Schedule 80 Nipples, Add	6.21	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	19.28	
22 11 16 00-0239 EA 2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	24.07	10.70
For ASTM 120, Deduct	-1.20	
For Schedule 80 Nipples, Add	9.09	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	28.06	
22 11 16 00-0240 EA 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.26	13.32
For ASTM 120, Deduct	-2.00	
For Schedule 80 Nipples, Add	15.17	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	46.45	
22 11 16 00-0241 EA 3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	42.76	16.09
For ASTM 120, Deduct	-2.79	
For Schedule 80 Nipples, Add	21.23	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	64.76	
22 11 16 00-0242 EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	51.64	19.38
For ASTM 120, Deduct	-3.39	
For Schedule 80 Nipples, Add	25.79	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	78.65	
22 11 16 00-0243 EA 3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	14.75	7.11
For ASTM 120, Deduct	-0.61	
For Schedule 80 Nipples, Add	4.63	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	14.45	
22 11 16 00-0244 EA 1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	13.46	7.11
For ASTM 120, Deduct	-0.42	
For Schedule 80 Nipples, Add	3.16	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	10.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0245 EA 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	13.95	7.11
For ASTM 120, Deduct	-0.49	
For Schedule 80 Nipples, Add	3.72	
For Work In Restricted Working Space, Add	3.21	
For 300 LB Rating, Add	11.73	
22 11 16 00-0246 EA 1" x 12" Long, Schedule 40 Galvanized Steel Nipple	15.93	7.71
For ASTM 120, Deduct	-0.66	
For Schedule 80 Nipples, Add	5.04	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	15.72	
22 11 16 00-0247 EA 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.32	8.31
For ASTM 120, Deduct	-0.88	
For Schedule 80 Nipples, Add	6.67	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	20.64	
22 11 16 00-0248 EA 1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.70	8.31
For ASTM 120, Deduct	-0.93	
For Schedule 80 Nipples, Add	7.10	
For Work In Restricted Working Space, Add	3.74	
For 300 LB Rating, Add	21.93	
22 11 16 00-0249 EA 2" x 12" Long, Schedule 40 Galvanized Steel Nipple	25.25	10.70
For ASTM 120, Deduct	-1.37	
For Schedule 80 Nipples, Add	10.43	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	32.08	
22 11 16 00-0250 EA 2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	34.84	13.32
For ASTM 120, Deduct	-2.23	
For Schedule 80 Nipples, Add	16.97	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	51.82	
22 11 16 00-0251 EA 3" x 12" Long, Schedule 40 Galvanized Steel Nipple	45.07	16.09
For ASTM 120, Deduct	-3.14	
For Schedule 80 Nipples, Add	23.86	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	72.61	
22 11 16 00-0252 EA 4" x 12" Long, Schedule 40 Galvanized Steel Nipple	54.77	19.38
For ASTM 120, Deduct	-3.86	
For Schedule 80 Nipples, Add	29.36	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	89.29	
22 11 16 00-0253 Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0254 EA 1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	11.05	5.32
For 225 LB Rating, Add	6.33	
For Work In Restricted Working Space, Add	2.39	
For 300 LB Rating, Add	10.98	
22 11 16 00-0255 EA 3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.52	5.32
For 225 LB Rating, Add	13.45	
For Work In Restricted Working Space, Add	2.39	
For 300 LB Rating, Add	22.78	
22 11 16 00-0256 EA 1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.57	8.08
For 225 LB Rating, Add	13.33	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	22.82	
22 11 16 00-0257 EA 1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	20.21	8.08
For 225 LB Rating, Add	16.69	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	28.40	
22 11 16 00-0258 EA 1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	22.74	8.08
For 225 LB Rating, Add	21.87	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	37.00	
22 11 16 00-0259 EA 2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	31.50	10.70
For 225 LB Rating, Add	31.57	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	53.33	
22 11 16 00-0260 EA 2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	41.60	13.32
For 225 LB Rating, Add	44.38	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	74.81	
22 11 16 00-0261 EA 3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	58.99	16.09
For 225 LB Rating, Add	71.44	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	119.94	
22 11 16 00-0262 EA 4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	69.61	19.38
For 225 LB Rating, Add	83.21	
For Work In Restricted Working Space, Add	8.71	
For 300 LB Rating, Add	139.75	
22 11 16 00-0263 EA 5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	108.63	24.23
For 225 LB Rating, Add	148.32	
For Work In Restricted Working Space, Add	10.88	
For 300 LB Rating, Add	248.17	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 225 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	134.64 187.39 12.97 313.39	28.80
22 11 16 00-0265			125 LB, Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0266	EA		1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	106.68 15.22	33.82
22 11 16 00-0267	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	116.71 15.75	35.02
22 11 16 00-0268	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	124.36 17.14	38.10
22 11 16 00-0269	EA		2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	118.75 17.89	39.74
22 11 16 00-0270	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	138.16 20.69	46.02
22 11 16 00-0271	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	171.56 26.25	58.37
22 11 16 00-0272	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	230.53 34.82	77.42
22 11 16 00-0273	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	274.53 41.45	92.15
22 11 16 00-0274	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	324.80 47.61	105.86
22 11 16 00-0275			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0276	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.38 7.31	
22 11 16 00-0277	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.83 8.05	
22 11 16 00-0278	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.27 8.78	
22 11 16 00-0279	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.70 9.51	
22 11 16 00-0280	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.33 10.00	
22 11 16 00-0281	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.96 10.49	
22 11 16 00-0282	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.59 10.98	
22 11 16 00-0283	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.21 11.46	
22 11 16 00-0284	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.83 11.95	
22 11 16 00-0285			Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0708 for pipe with fittings assembly.		
22 11 16 00-0286			Copper Tube/Pipe (22 11 16 00-0285) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0287			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0288	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.64 0.82	1.83
22 11 16 00-0289	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.22 0.86	1.90
22 11 16 00-0290	LF		1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.65 0.89	1.98
22 11 16 00-0291	LF		3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.73 0.95	2.10
22 11 16 00-0292	LF		1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.25 1.07	2.37
22 11 16 00-0293	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.46 1.58	3.52
22 11 16 00-0294	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.17 1.76	3.93
22 11 16 00-0295	LF		2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.45 2.18	4.84
22 11 16 00-0296	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.15 5.45	6.05
22 11 16 00-0297	LF		3" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.23 6.04	6.71
22 11 16 00-0298	LF		4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	64.51 6.81	7.57
22 11 16 00-0299	LF		5" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	141.86 7.82	8.69
22 11 16 00-0300	LF		6" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	172.16 12.12	13.48
22 11 16 00-0301	LF		8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	283.15 13.48	14.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0302 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0286)						
22 11 16 00-0303	LF			1/4" Hard Drawn Type K Copper Tube/Pipe.....	3.98	1.96
				<i>For Work In Restricted Working Space, Add</i>	0.89	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.08	
22 11 16 00-0304	LF			3/8" Hard Drawn Type K Copper Tube/Pipe.....	5.22	2.25
				<i>For Work In Restricted Working Space, Add</i>	1.01	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.15	
22 11 16 00-0305	LF			1/2" Hard Drawn Type K Copper Tube/Pipe.....	5.30	2.19
				<i>For Work In Restricted Working Space, Add</i>	0.98	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.16	
22 11 16 00-0306	LF			3/4" Hard Drawn Type K Copper Tube/Pipe.....	7.43	2.54
				<i>For Work In Restricted Working Space, Add</i>	1.14	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.29	
22 11 16 00-0307	LF			1" Hard Drawn Type K Copper Tube/Pipe.....	8.78	2.70
				<i>For Work In Restricted Working Space, Add</i>	1.22	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.38	
22 11 16 00-0308	LF			1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	8.25	3.83
				<i>For Work In Restricted Working Space, Add</i>	1.72	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.20	
22 11 16 00-0309	LF			1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	15.15	4.30
				<i>For Work In Restricted Working Space, Add</i>	1.94	
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.70	
22 11 16 00-0310	LF			2" Hard Drawn Type K Copper Tube/Pipe.....	25.79	5.28
				<i>For Work In Restricted Working Space, Add</i>	2.37	
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.43	
22 11 16 00-0311	LF			2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	44.61	13.21
				<i>For Work In Restricted Working Space, Add</i>	5.94	
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.99	
22 11 16 00-0312	LF			3" Hard Drawn Type K Copper Tube/Pipe.....	53.50	14.77
				<i>For Work In Restricted Working Space, Add</i>	6.64	
				<i>For Medical/Oxygen Service Tubing, Add</i>	2.51	
22 11 16 00-0313	LF			4" Hard Drawn Type K Copper Tube/Pipe.....	75.69	16.73
				<i>For Work In Restricted Working Space, Add</i>	7.53	
				<i>For Medical/Oxygen Service Tubing, Add</i>	4.05	
22 11 16 00-0314	LF			5" Hard Drawn Type K Copper Tube/Pipe.....	176.74	19.75
				<i>For Work In Restricted Working Space, Add</i>	8.88	
				<i>For Medical/Oxygen Service Tubing, Add</i>	11.77	
22 11 16 00-0315	LF			6" Hard Drawn Type K Copper Tube/Pipe.....	227.30	31.84
				<i>For Work In Restricted Working Space, Add</i>	14.32	
				<i>For Medical/Oxygen Service Tubing, Add</i>	14.36	
22 11 16 00-0316	LF			8" Hard Drawn Type K Copper Tube/Pipe.....	372.32	35.08
				<i>For Work In Restricted Working Space, Add</i>	15.78	
				<i>For Medical/Oxygen Service Tubing, Add</i>	25.58	
22 11 16 00-0317 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0286)						
22 11 16 00-0318	LF			1/4" Hard Drawn Type M Copper Tube/Pipe.....	3.16	1.58
				<i>For Work In Restricted Working Space, Add</i>	0.71	
22 11 16 00-0319	LF			3/8" Hard Drawn Type M Copper Tube/Pipe.....	3.27	1.52
				<i>For Work In Restricted Working Space, Add</i>	0.68	
22 11 16 00-0320	LF			1/2" Hard Drawn Type M Copper Tube/Pipe.....	3.55	1.57
				<i>For Work In Restricted Working Space, Add</i>	0.71	
22 11 16 00-0321	LF			3/4" Hard Drawn Type M Copper Tube/Pipe.....	4.35	1.67
				<i>For Work In Restricted Working Space, Add</i>	0.75	
22 11 16 00-0322	LF			1" Hard Drawn Type M Copper Tube/Pipe.....	5.41	1.86
				<i>For Work In Restricted Working Space, Add</i>	0.84	
22 11 16 00-0323	LF			1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	8.29	2.87
				<i>For Work In Restricted Working Space, Add</i>	1.29	
22 11 16 00-0324	LF			1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	10.96	3.29
				<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-0325	LF			2" Hard Drawn Type M Copper Tube/Pipe.....	18.80	4.09
				<i>For Work In Restricted Working Space, Add</i>	1.84	
22 11 16 00-0326	LF			2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	33.69	11.01
				<i>For Work In Restricted Working Space, Add</i>	4.95	
22 11 16 00-0327	LF			3" Hard Drawn Type M Copper Tube/Pipe.....	39.16	12.11
				<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0328	LF			4" Hard Drawn Type M Copper Tube/Pipe.....	57.40	14.13
				<i>For Work In Restricted Working Space, Add</i>	6.35	
22 11 16 00-0329	LF			5" Hard Drawn Type M Copper Tube/Pipe.....	125.79	16.31
				<i>For Work In Restricted Working Space, Add</i>	7.34	
22 11 16 00-0330	LF			6" Hard Drawn Type M Copper Tube/Pipe.....	153.10	25.26
				<i>For Work In Restricted Working Space, Add</i>	11.36	
22 11 16 00-0331	LF			8" Hard Drawn Type M Copper Tube/Pipe.....	245.34	27.79
				<i>For Work In Restricted Working Space, Add</i>	12.50	
22 11 16 00-0332 Soft Drawn Type L Copper Tube (22 11 16 00-0286)						
22 11 16 00-0333	LF			1/4" Soft Drawn Type L Copper Tube.....	3.71	0.20
				<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0334	LF			3/8" Soft Drawn Type L Copper Tube.....	4.37	1.90
				<i>For Work In Restricted Working Space, Add</i>	0.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0335	LF		1/2" Soft Drawn Type L Copper Tube	4.95	1.98
			<i>For Work In Restricted Working Space, Add</i>	0.89	
22 11 16 00-0336	LF		5/8" Soft Drawn Type L Copper Tube	5.70	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0337	LF		3/4" Soft Drawn Type L Copper Tube	6.17	2.10
			<i>For Work In Restricted Working Space, Add</i>	0.95	
22 11 16 00-0338	LF		1" Soft Drawn Type L Copper Tube	7.87	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0339	LF		1-1/4" Soft Drawn Type L Copper Tube	11.82	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 11 16 00-0340	LF		1-1/2" Soft Drawn Type L Copper Tube	14.27	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0341	LF		2" Soft Drawn Type L Copper Tube	20.99	4.84
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-0342			Soft Drawn Type K Copper Tube (22 11 16 00-0286)		
22 11 16 00-0343	LF		1/4" Soft Drawn Type K Copper Tube	3.90	0.20
			<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0344	LF		3/8" Soft Drawn Type K Copper Tube	4.94	1.90
			<i>For Work In Restricted Working Space, Add</i>	0.86	
22 11 16 00-0345	LF		1/2" Soft Drawn Type K Copper Tube	5.31	1.98
			<i>For Work In Restricted Working Space, Add</i>	0.89	
22 11 16 00-0346	LF		5/8" Soft Drawn Type K Copper Tube	6.06	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0347	LF		3/4" Soft Drawn Type K Copper Tube	7.28	2.10
			<i>For Work In Restricted Working Space, Add</i>	0.95	
22 11 16 00-0348	LF		1" Soft Drawn Type K Copper Tube	9.05	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0349	LF		1-1/4" Soft Drawn Type K Copper Tube	12.70	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 11 16 00-0350	LF		1-1/2" Soft Drawn Type K Copper Tube	15.62	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0351	LF		2" Soft Drawn Type K Copper Tube	22.78	4.84
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-0352	LF		2-1/2" Soft Drawn Type K Copper Tube	27.34	5.81
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 11 16 00-0353	LF		3" Soft Drawn Type K Copper Tube	36.33	6.86
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 11 16 00-0354			Copper And Brass Fittings (22 11 16 00-0285)		
			Note: All fittings are based on 95/5 solder.		
22 11 16 00-0355			90 Degree Copper And Brass Elbows (22 11 16 00-0354)		
22 11 16 00-0356	EA		1/4" Or 3/8" 90 Degree Copper Elbow	18.66	10.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Street Fitting, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.56	
22 11 16 00-0357	EA		1/2" 90 Degree Copper Elbow	27.66	17.88
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For Street Fitting, Add</i>	0.33	
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.07	
22 11 16 00-0358	EA		3/4" 90 Degree Copper Elbow	35.11	22.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For Street Fitting, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.09	
22 11 16 00-0359	EA		1" 90 Degree Copper Elbow	44.24	26.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For Street Fitting, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.20	
22 11 16 00-0360	EA		1-1/4" 90 Degree Copper Elbow	49.76	28.77
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.46	
			<i>For Street Fitting, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.80	
22 11 16 00-0361	EA		1-1/2" 90 Degree Copper Elbow	57.54	31.46
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Street Fitting, Add</i>	4.16	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.59	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11	16 00-0362	EA		2" 90 Degree Copper Elbow	71.76	35.28
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.23	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.93	
				<i>For Street Fitting, Add</i>	7.56	
				<i>For Work In Restricted Working Space, Add</i>	15.86	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.87	
22 11	16 00-0363	EA		2-1/2" 90 Degree Copper Elbow	89.92	35.92
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.19	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.08	
				<i>For Work In Restricted Working Space, Add</i>	16.16	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.88	
22 11	16 00-0364	EA		3" 90 Degree Copper Elbow	114.85	42.96
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.96	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.65	
				<i>For Work In Restricted Working Space, Add</i>	19.31	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.18	
22 11	16 00-0365	EA		4" 90 Degree Copper Elbow	220.65	60.92
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.60	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.70	
				<i>For Work In Restricted Working Space, Add</i>	27.39	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.16	
22 11	16 00-0366	EA		5" 90 Degree Copper Elbow	601.04	83.37
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-36.30	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.75	
				<i>For Work In Restricted Working Space, Add</i>	37.49	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.55	
22 11	16 00-0367	EA		6" 90 Degree Copper Elbow	846.86	121.31
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-51.44	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.28	
				<i>For Work In Restricted Working Space, Add</i>	54.56	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	60.53	
22 11	16 00-0368	EA		8" 90 Degree Copper Elbow	1,671.83	161.72
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-95.72	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	36.37	
				<i>For Work In Restricted Working Space, Add</i>	72.74	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	107.84	
22 11	16 00-0369	EA		1/2" Drop Ear 90 Degree Brass Elbow.....	32.43	17.88
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.96	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
				<i>For Work In Restricted Working Space, Add</i>	8.05	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.30	
22 11	16 00-0370	EA		3/4" Drop Ear 90 Degree Brass Elbow.....	38.93	22.27
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.61	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
				<i>For Work In Restricted Working Space, Add</i>	10.00	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.28	
22 11	16 00-0371	EA		1" Drop Ear 90 Degree Brass Elbow.....	55.93	26.58
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.79	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
				<i>For Work In Restricted Working Space, Add</i>	11.95	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.78	
22 11	16 00-0372	EA		1/2" Flanged Sink 90 Degree Brass Elbow	31.96	17.88
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.94	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
				<i>For Work In Restricted Working Space, Add</i>	8.05	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.28	
22 11	16 00-0373	EA		3/4" Flanged Sink 90 Degree Brass Elbow	43.80	22.27
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.86	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
				<i>For Work In Restricted Working Space, Add</i>	10.00	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.52	
22 11	16 00-0374	45 Degree Copper Elbows (22 11 16 00-0354)				
22 11	16 00-0375	EA		1/4" Or 3/8" 45 Degree Copper Elbow	20.08	10.81
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.82	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
				<i>For Street Fitting, Add</i>	1.53	
				<i>For Work In Restricted Working Space, Add</i>	4.88	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.63	
22 11	16 00-0376	EA		1/2" 45 Degree Copper Elbow	28.30	17.88
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.76	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
				<i>For Street Fitting, Add</i>	0.59	
				<i>For Work In Restricted Working Space, Add</i>	8.05	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.10	
22 11	16 00-0377	EA		3/4" 45 Degree Copper Elbow	35.89	22.27
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.46	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
				<i>For Street Fitting, Add</i>	1.02	
				<i>For Work In Restricted Working Space, Add</i>	10.00	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.13	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0378	EA		1" 45 Degree Copper Elbow	46.29	26.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For Street Fitting, Add</i>	2.58	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.30	
22 11 16 00-0379	EA		1-1/4" 45 Degree Copper Elbow	51.81	28.77
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.46	
			<i>For Street Fitting, Add</i>	3.49	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.90	
22 11 16 00-0380	EA		1-1/2" 45 Degree Copper Elbow	57.63	31.46
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Street Fitting, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.60	
22 11 16 00-0381	EA		2" 45 Degree Copper Elbow	70.41	35.28
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	15.86	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.81	
22 11 16 00-0382	EA		2-1/2" 45 Degree Copper Elbow	91.26	35.92
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.08	
			<i>For Work In Restricted Working Space, Add</i>	16.16	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.95	
22 11 16 00-0383	EA		3" 45 Degree Copper Elbow	119.81	42.96
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.65	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.43	
22 11 16 00-0384	EA		4" 45 Degree Copper Elbow	209.45	60.92
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.70	
			<i>For Work In Restricted Working Space, Add</i>	27.39	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.60	
22 11 16 00-0385	EA		5" 45 Degree Copper Elbow	581.70	83.37
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-35.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.75	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	41.58	
22 11 16 00-0386	EA		6" 45 Degree Copper Elbow	867.68	121.31
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-52.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.28	
			<i>For Work In Restricted Working Space, Add</i>	54.56	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	61.57	
22 11 16 00-0387	EA		8" 45 Degree Copper Elbow	1,523.55	161.72
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-88.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	36.37	
			<i>For Work In Restricted Working Space, Add</i>	72.74	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	100.42	
22 11 16 00-0388			Straight Copper And Brass Tees (22 11 16 00-0384)		
22 11 16 00-0389	EA		1/4" Straight Copper Tee	24.80	13.01
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.22	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.93	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.19	
22 11 16 00-0390	EA		3/8" Straight Copper Tee	33.34	19.51
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	8.78	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.59	
22 11 16 00-0391	EA		1/2" Straight Copper Tee	41.98	27.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.16	
22 11 16 00-0392	EA		3/4" Straight Copper Tee	53.71	33.66
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.56	
			<i>For Work In Restricted Working Space, Add</i>	15.12	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.73	
22 11 16 00-0393	EA		1" Straight Copper Tee	70.33	40.16
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.53	
22 11 16 00-0394	EA		1-1/4" Straight Copper Tee	80.48	43.41
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.76	
			<i>For Work In Restricted Working Space, Add</i>	19.51	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0395	EA			1-1/2" Straight Copper Tee.....	92.16	47.15
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.14	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.61	
				<i>For Work In Restricted Working Space, Add</i>	21.22	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.68	
22 11 16 00-0396	EA			2" Straight Copper Tee.....	113.06	53.17
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.64	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.95	
				<i>For Work In Restricted Working Space, Add</i>	23.90	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.62	
22 11 16 00-0397	EA			2-1/2" Straight Copper Tee.....	148.24	53.88
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.45	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.12	
				<i>For Work In Restricted Working Space, Add</i>	24.25	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.49	
22 11 16 00-0398	EA			3" Straight Copper Tee.....	200.14	64.88
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.87	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.59	
				<i>For Work In Restricted Working Space, Add</i>	29.18	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.74	
22 11 16 00-0399	EA			4" Straight Copper Tee.....	384.65	90.85
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.04	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.43	
				<i>For Work In Restricted Working Space, Add</i>	40.86	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	32.85	
22 11 16 00-0400	EA			5" Straight Copper Tee.....	959.96	124.30
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-57.32	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.95	
				<i>For Work In Restricted Working Space, Add</i>	55.91	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	66.63	
22 11 16 00-0401	EA			6" Straight Copper Tee.....	1,330.91	182.23
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-80.20	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	40.97	
				<i>For Work In Restricted Working Space, Add</i>	81.95	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	93.86	
22 11 16 00-0402	EA			8" Straight Copper Tee.....	2,636.60	242.62
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-150.02	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	54.56	
				<i>For Work In Restricted Working Space, Add</i>	109.11	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	168.20	
22 11 16 00-0403	EA			1/2" Drop Ear Brass Tee.....	45.64	27.15
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.31	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
				<i>For Work In Restricted Working Space, Add</i>	12.19	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.35	
22 11 16 00-0404				Reducing Copper Tees (22 11 16 00-0354)		
22 11 16 00-0405	EA			3/8" Reducing Copper Tee.....	34.06	17.32
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.00	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.90	
				<i>For Work In Restricted Working Space, Add</i>	7.81	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.31	
22 11 16 00-0406	EA			1/2" Reducing Copper Tee.....	43.59	24.38
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.01	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.49	
				<i>For Work In Restricted Working Space, Add</i>	10.98	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.84	
22 11 16 00-0407	EA			3/4" Reducing Copper Tee.....	50.35	31.46
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.88	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
				<i>For Work In Restricted Working Space, Add</i>	14.15	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.23	
22 11 16 00-0408	EA			1" Reducing Copper Tee.....	67.07	37.97
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.20	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.54	
				<i>For Work In Restricted Working Space, Add</i>	17.07	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.04	
22 11 16 00-0409	EA			1-1/4" Reducing Copper Tee.....	76.81	41.22
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.93	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.27	
				<i>For Work In Restricted Working Space, Add</i>	18.54	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.02	
22 11 16 00-0410	EA			1-1/2" Reducing Copper Tee.....	83.43	45.03
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.55	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.12	
				<i>For Work In Restricted Working Space, Add</i>	20.24	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.92	
22 11 16 00-0411	EA			2" Reducing Copper Tee.....	100.81	50.40
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.82	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.34	
				<i>For Work In Restricted Working Space, Add</i>	22.68	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.60	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0412 EA 2-1/2" Reducing Copper Tee.....	156.39	51.94
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.67	
For Work In Restricted Working Space, Add	23.35	
For Silver Solder Instead Of 95/5 Solder, Add	15.60	
22 11 16 00-0413 EA 3" Reducing Copper Tee.....	176.29	59.87
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.47	
For Work In Restricted Working Space, Add	26.94	
For Silver Solder Instead Of 95/5 Solder, Add	17.79	
22 11 16 00-0414 Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0415 EA 1/4" Copper Coupling.....	13.61	8.70
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.95	
For Work In Restricted Working Space, Add	3.90	
For Silver Solder Instead Of 95/5 Solder, Add	1.98	
22 11 16 00-0416 EA 3/8" Copper Coupling.....	20.30	13.01
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	
For Silver Solder Instead Of 95/5 Solder, Add	2.97	
22 11 16 00-0417 EA 1/2" Copper Coupling.....	27.59	17.88
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.02	
For Work In Restricted Working Space, Add	8.05	
For Silver Solder Instead Of 95/5 Solder, Add	4.06	
22 11 16 00-0418 EA 3/4" Copper Coupling.....	34.53	22.27
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.00	
For Work In Restricted Working Space, Add	10.00	
For Silver Solder Instead Of 95/5 Solder, Add	5.06	
22 11 16 00-0419 EA 1" Copper Coupling.....	42.30	26.58
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.98	
For Work In Restricted Working Space, Add	11.95	
For Silver Solder Instead Of 95/5 Solder, Add	6.10	
22 11 16 00-0420 EA 1-1/4" Copper Coupling.....	47.41	28.77
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.46	
For Work In Restricted Working Space, Add	12.93	
For Silver Solder Instead Of 95/5 Solder, Add	6.68	
22 11 16 00-0421 EA 1-1/2" Copper Coupling.....	52.85	31.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.00	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.07	
For Work In Restricted Working Space, Add	14.15	
For Silver Solder Instead Of 95/5 Solder, Add	7.36	
22 11 16 00-0422 EA 2" Copper Coupling.....	62.33	34.96
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.93	
For Work In Restricted Working Space, Add	15.86	
For Silver Solder Instead Of 95/5 Solder, Add	8.40	
22 11 16 00-0423 EA 2-1/2" Copper Coupling.....	71.06	33.98
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.63	
For Work In Restricted Working Space, Add	15.27	
For Silver Solder Instead Of 95/5 Solder, Add	8.64	
22 11 16 00-0424 EA 3" Copper Coupling.....	91.67	41.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.20	
For Work In Restricted Working Space, Add	18.41	
For Silver Solder Instead Of 95/5 Solder, Add	10.72	
22 11 16 00-0425 EA 4" Copper Coupling.....	142.89	55.38
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.35	
For Work In Restricted Working Space, Add	24.69	
For Silver Solder Instead Of 95/5 Solder, Add	15.38	
22 11 16 00-0426 EA 5" Copper Coupling.....	253.83	101.03
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.84	
For Work In Restricted Working Space, Add	33.68	
For Silver Solder Instead Of 95/5 Solder, Add	23.92	
22 11 16 00-0427 EA 6" Copper Coupling.....	386.31	109.78
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.70	
For Work In Restricted Working Space, Add	49.39	
For Silver Solder Instead Of 95/5 Solder, Add	35.78	
22 11 16 00-0428 EA 8" Copper Coupling.....	617.31	145.55
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	32.78	
For Work In Restricted Working Space, Add	65.56	
For Silver Solder Instead Of 95/5 Solder, Add	52.72	
22 11 16 00-0429 Reducing Copper Couplings (22 11 16 00-0354)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0430	EA		3/8" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.02 -1.71 2.44 4.88 2.53	10.81
22 11 16 00-0431	EA		1/2" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.62 -2.39 3.48 6.95 3.55	15.44
22 11 16 00-0432	EA		3/4" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	32.27 -3.12 4.51 9.02 4.62	20.08
22 11 16 00-0433	EA		1" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.10 -3.83 5.49 10.98 5.66	24.38
22 11 16 00-0434	EA		1-1/4" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.53 -4.45 6.22 12.44 6.52	27.64
22 11 16 00-0435	EA		1-1/2" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	53.13 -4.91 6.77 13.53 7.17	30.08
22 11 16 00-0436	EA		2" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	65.02 -5.75 7.50 15.00 8.25	33.33
22 11 16 00-0437	EA		2-1/2" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	81.78 -6.65 7.69 15.38 9.22	34.20
22 11 16 00-0438	EA		3" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	98.15 -7.86 8.87 17.74 10.82	39.67
22 11 16 00-0439	EA		4" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	154.47 -11.62 11.67 23.35 15.51	51.94
22 11 16 00-0440	EA		5" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	269.68 -18.91 16.28 32.55 24.34	72.36
22 11 16 00-0441	EA		6" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	420.74 -28.33 21.89 43.78 35.63	97.28
22 11 16 00-0442	EA		8" Reducing Copper Coupling <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	665.04 -43.88 31.88 63.76 54.51	141.76
22 11 16 00-0443			Male Copper Adapters (22 11 16 00-0354)		
22 11 16 00-0444	EA		1/4" Male Copper Adapter <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.14 -1.92 2.44 4.88 2.73	10.57
22 11 16 00-0445	EA		3/8" Male Copper Adapter <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.64 -2.16 2.93 5.85 3.13	13.01
22 11 16 00-0446	EA		1/2" Male Copper Adapter <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.07 -2.52 3.66 7.31 3.74	16.26

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	EA		3/4" Male Copper Adapter.....	32.87	20.33
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.15	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.65	
22 11 16 00-0448	EA		1" Male Copper Adapter.....	42.23	23.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.24	
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.61	
22 11 16 00-0449	EA		1-1/4" Male Copper Adapter	51.34	26.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.63	
22 11 16 00-0450	EA		1-1/2" Male Copper Adapter	58.63	30.89
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	13.90	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.57	
22 11 16 00-0451	EA		2" Male Copper Adapter.....	80.18	39.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.90	
			<i>For Work In Restricted Working Space, Add</i>	17.81	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.94	
22 11 16 00-0452	EA		2-1/2" Male Copper Adapter	142.87	51.22
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.46	
			<i>For Work In Restricted Working Space, Add</i>	22.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.79	
22 11 16 00-0453 Female Copper Adapters (22 11 16 00-0354)					
22 11 16 00-0454	EA		3/8" Female Copper Adapter	25.07	13.01
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.93	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.20	
22 11 16 00-0455	EA		1/2" Female Copper Adapter	27.02	16.26
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.79	
22 11 16 00-0456	EA		3/4" Female Copper Adapter	33.72	20.33
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.69	
22 11 16 00-0457	EA		1" Female Copper Adapter	43.39	23.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.24	
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.67	
22 11 16 00-0458	EA		1-1/4" Female Copper Adapter	52.93	26.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.71	
22 11 16 00-0459	EA		1-1/2" Female Copper Adapter	65.62	30.89
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	13.90	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.92	
22 11 16 00-0460	EA		2" Female Copper Adapter	85.49	39.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.90	
			<i>For Work In Restricted Working Space, Add</i>	17.81	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.21	
22 11 16 00-0461	EA		2-1/2" Female Copper Adapter	149.63	47.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.52	
22 11 16 00-0462	EA		3" Female Copper Adapter	215.85	68.28
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.27	
			<i>For Work In Restricted Working Space, Add</i>	30.53	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.97	
22 11 16 00-0463 Copper To Copper Unions (22 11 16 00-0354)					
22 11 16 00-0464	EA		1/4" Or 3/8" Copper To Copper Union	31.18	15.69
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0465 EA 1/2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.46 -3.19 4.39 8.78 4.65	19.51
22 11 16 00-0466 EA 3/4" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.13 -3.67 5.00 10.00 5.34	22.27
22 11 16 00-0467 EA 1" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.68 -4.58 5.98 11.95 6.57	26.58
22 11 16 00-0468 EA 1-1/4" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.12 -5.35 6.59 13.17 7.55	29.27
22 11 16 00-0469 EA 1-1/2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	76.59 -6.27 7.32 14.63 8.71	32.52
22 11 16 00-0470 EA 2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	105.31 -8.19 8.78 17.56 11.12	39.02
22 11 16 00-0471 EA 2-1/2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	186.84 -12.56 9.65 19.31 15.78	42.96
22 11 16 00-0472 EA 3" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	408.00 -24.97 13.70 27.39 29.53	60.92
22 11 16 00-0473 Copper Caps <small>(22 11 16 00-0354)</small>		
22 11 16 00-0474 EA 1/4" Or 3/8" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.02 -0.35 0.46 0.92 0.51	2.05
22 11 16 00-0475 EA 1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.03 -0.37 0.52 1.04 0.55	2.34
22 11 16 00-0476 EA 3/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.34 -0.48 0.65 1.30 0.70	2.92
22 11 16 00-0477 EA 1" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.93 -0.67 0.82 1.65 0.95	3.70
22 11 16 00-0478 EA 1-1/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.95 -0.92 1.13 2.26 1.30	5.07
22 11 16 00-0479 EA 1-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.86 -1.14 1.33 2.65 1.58	5.97
22 11 16 00-0480 EA 2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.92 -2.43 2.95 5.90 3.41	13.29
22 11 16 00-0481 EA 2-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.53 -4.47 4.49 8.98 5.97	20.21

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0482	EA		3" Copper Cap	79.85	26.52
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.89	
			For Work In Restricted Working Space, Add	11.79	
			For Silver Solder Instead Of 95/5 Solder, Add	7.92	
22 11 16 00-0483	EA		4" Copper Cap	123.30	31.58
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
			For Work In Restricted Working Space, Add	14.03	
			For Silver Solder Instead Of 95/5 Solder, Add	10.84	
22 11 16 00-0484	EA		6" Copper Cap	420.74	56.13
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.47	
			For Work In Restricted Working Space, Add	24.94	
			For Silver Solder Instead Of 95/5 Solder, Add	29.35	
22 11 16 00-0485	EA		8" Copper Cap	747.63	80.82
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.96	
			For Work In Restricted Working Space, Add	35.92	
			For Silver Solder Instead Of 95/5 Solder, Add	49.35	
22 11 16 00-0486			Copper Crosses (22 11 16 00-0354)		
22 11 16 00-0487	EA		1/2" Copper Cross	67.91	39.96
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.98	
			For Work In Restricted Working Space, Add	17.96	
			For Silver Solder Instead Of 95/5 Solder, Add	9.38	
22 11 16 00-0488	EA		3/4" Copper Cross	79.20	42.44
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.14	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
			For Work In Restricted Working Space, Add	19.08	
			For Silver Solder Instead Of 95/5 Solder, Add	10.32	
22 11 16 00-0489	EA		1" Copper Cross	101.31	49.92
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.23	
			For Work In Restricted Working Space, Add	22.45	
			For Silver Solder Instead Of 95/5 Solder, Add	12.55	
22 11 16 00-0490	EA		1-1/4" Copper Cross	116.98	53.88
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.12	
			For Work In Restricted Working Space, Add	24.25	
			For Silver Solder Instead Of 95/5 Solder, Add	13.93	
22 11 16 00-0491	EA		1-1/2" Copper Cross	147.97	62.41
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.03	
			For Work In Restricted Working Space, Add	28.07	
			For Silver Solder Instead Of 95/5 Solder, Add	16.75	
22 11 16 00-0492	EA		2" Copper Cross	209.98	72.36
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.28	
			For Work In Restricted Working Space, Add	32.55	
			For Silver Solder Instead Of 95/5 Solder, Add	21.35	
22 11 16 00-0493	EA		2-1/2" Copper Cross	380.75	122.28
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	27.50	
			For Work In Restricted Working Space, Add	55.01	
			For Silver Solder Instead Of 95/5 Solder, Add	37.37	
22 11 16 00-0494	EA		3" Copper Cross	532.49	144.74
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	32.55	
			For Work In Restricted Working Space, Add	65.11	
			For Silver Solder Instead Of 95/5 Solder, Add	48.33	
22 11 16 00-0495	EA		4" Copper Cross	1,250.66	169.73
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-75.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	38.17	
			For Work In Restricted Working Space, Add	76.33	
			For Silver Solder Instead Of 95/5 Solder, Add	87.98	
22 11 16 00-0496	EA		5" Copper Cross	3,450.57	213.28
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-188.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	47.15	
			For Work In Restricted Working Space, Add	94.29	
			For Silver Solder Instead Of 95/5 Solder, Add	203.96	
22 11 16 00-0497	EA		6" Copper Cross	3,805.61	249.58
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-208.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	56.13	
			For Work In Restricted Working Space, Add	112.25	
			For Silver Solder Instead Of 95/5 Solder, Add	227.70	
22 11 16 00-0498			Crimped Copper Fittings (22 11 16 00-0285)		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0499			Crimped Copper 90 Degree Elbows (22 11 16 00-0498)		
22 11 16 00-0500	EA		1/2" Crimped Copper 90 Degree Elbow	15.29	9.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0501	EA		3/4" Crimped Copper 90 Degree Elbow.....	17.78	11.14
	22 11 16 00-0502	EA		1" Crimped Copper 90 Degree Elbow.....	22.15	13.25
	22 11 16 00-0503	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	26.46	14.63
	22 11 16 00-0504	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	32.93	16.26
	22 11 16 00-0505	EA		2" Crimped Copper 90 Degree Elbow.....	41.15	19.51
	22 11 16 00-0506	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	68.65	22.76
	22 11 16 00-0507	EA		3" Crimped Copper 90 Degree Elbow.....	84.05	27.07
	22 11 16 00-0508	EA		4" Crimped Copper 90 Degree Elbow.....	107.36	35.77
22 11 16 00-0509				Crimped Copper 45 Degree Elbows (22 11 16 00-0498)		
	22 11 16 00-0510	EA		1/2" Crimped Copper 45 Degree Elbow.....	15.40	9.76
	22 11 16 00-0511	EA		3/4" Crimped Copper 45 Degree Elbow.....	17.60	11.14
	22 11 16 00-0512	EA		1" Crimped Copper 45 Degree Elbow.....	22.94	13.25
	22 11 16 00-0513	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	26.29	14.63
	22 11 16 00-0514	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	31.42	16.26
	22 11 16 00-0515	EA		2" Crimped Copper 45 Degree Elbow.....	39.11	19.51
	22 11 16 00-0516	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	56.93	22.76
	22 11 16 00-0517	EA		3" Crimped Copper 45 Degree Elbow.....	73.20	27.07
	22 11 16 00-0518	EA		4" Crimped Copper 45 Degree Elbow.....	98.88	35.77
22 11 16 00-0519				Crimped Copper Straight Tees (22 11 16 00-0498)		
	22 11 16 00-0520	EA		1/2" Crimped Copper Straight Tee.....	22.96	14.63
	22 11 16 00-0521	EA		3/4" Crimped Copper Straight Tee.....	30.63	19.27
	22 11 16 00-0522	EA		1" Crimped Copper Straight Tee.....	35.32	21.38
	22 11 16 00-0523	EA		1-1/4" Crimped Copper Straight Tee.....	38.33	21.95
	22 11 16 00-0524	EA		1-1/2" Crimped Copper Straight Tee.....	47.91	24.96
	22 11 16 00-0525	EA		2" Crimped Copper Straight Tee.....	56.90	29.27
	22 11 16 00-0526	EA		2-1/2" Crimped Copper Straight Tee.....	93.85	34.14
	22 11 16 00-0527	EA		3" Crimped Copper Straight Tee.....	114.26	40.64
	22 11 16 00-0528	EA		4" Crimped Copper Straight Tee.....	155.25	53.65
22 11 16 00-0529				Crimped Copper Reducing Tees (22 11 16 00-0498)		
	22 11 16 00-0530	EA		3/4" Crimped Copper Reducing Tee.....	23.63	13.90
	22 11 16 00-0531	EA		1" Crimped Copper Reducing Tee.....	32.26	18.29
	22 11 16 00-0532	EA		1-1/4" Crimped Copper Reducing Tee.....	35.44	20.33
	22 11 16 00-0533	EA		1-1/2" Crimped Copper Reducing Tee.....	40.64	20.89
	22 11 16 00-0534	EA		2" Crimped Copper Reducing Tee.....	47.34	23.66
	22 11 16 00-0535	EA		2-1/2" Crimped Copper Reducing Tee.....	90.72	26.83
	22 11 16 00-0536	EA		3" Crimped Copper Reducing Tee.....	110.09	32.52
	22 11 16 00-0537	EA		4" Crimped Copper Reducing Tee.....	134.79	43.33
22 11 16 00-0538				Crimped Copper Couplings (22 11 16 00-0498)		
	22 11 16 00-0539	EA		1/2" Crimped Copper Coupling.....	15.22	9.76
	22 11 16 00-0540	EA		3/4" Crimped Copper Coupling.....	17.56	11.14
	22 11 16 00-0541	EA		1" Crimped Copper Coupling.....	21.73	13.25
	22 11 16 00-0542	EA		1-1/4" Crimped Copper Coupling.....	24.21	14.63
	22 11 16 00-0543	EA		1-1/2" Crimped Copper Coupling.....	28.59	16.26
	22 11 16 00-0544	EA		2" Crimped Copper Coupling.....	34.64	19.51
	22 11 16 00-0545	EA		2-1/2" Crimped Copper Coupling.....	51.33	22.76
	22 11 16 00-0546	EA		3" Crimped Copper Coupling.....	62.53	27.07
	22 11 16 00-0547	EA		4" Crimped Copper Coupling.....	84.04	35.77
22 11 16 00-0548				Crimped Copper Reducing Couplings (22 11 16 00-0498)		
	22 11 16 00-0549	EA		3/4" Crimped Copper Reducing Coupling.....	16.60	9.27
	22 11 16 00-0550	EA		1" Crimped Copper Reducing Coupling.....	18.95	10.57
	22 11 16 00-0551	EA		1-1/4" Crimped Copper Reducing Coupling.....	23.43	12.60
	22 11 16 00-0552	EA		1-1/2" Crimped Copper Reducing Coupling.....	27.51	13.90
	22 11 16 00-0553	EA		2" Crimped Copper Reducing Coupling.....	30.62	15.44
	22 11 16 00-0554	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	47.94	18.45
	22 11 16 00-0555	EA		3" Crimped Copper FTG x C Reducing Coupling.....	58.41	21.71
	22 11 16 00-0556	EA		4" Crimped Copper FTG x C Reducing Coupling.....	76.50	28.69
22 11 16 00-0557				Crimped Copper Male Adapters (22 11 16 00-0498)		
	22 11 16 00-0558	EA		1/2" Crimped Copper Male Adapter.....	15.35	9.76
	22 11 16 00-0559	EA		3/4" Crimped Copper Male Adapter.....	17.97	11.14
	22 11 16 00-0560	EA		1" Crimped Copper Male Adapter.....	22.32	13.25
	22 11 16 00-0561	EA		1-1/4" Crimped Copper Male Adapter.....	27.23	14.63
	22 11 16 00-0562	EA		1-1/2" Crimped Copper Male Adapter.....	31.79	16.26
	22 11 16 00-0563	EA		2" Crimped Copper Male Adapter.....	43.54	19.51
	22 11 16 00-0564	EA		2-1/2" Crimped Copper Male Adapter.....	68.65	22.76
	22 11 16 00-0565	EA		3" Crimped Copper Male Adapter.....	84.05	27.07
	22 11 16 00-0566	EA		4" Crimped Copper Male Adapter.....	103.90	35.77



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0567			Crimped Copper Female Adapters (22 11 16 00-0498)		
22 11 16 00-0568	EA		1/2" Crimped Copper Female Adapter.....	15.51	9.76
22 11 16 00-0569	EA		3/4" Crimped Copper Female Adapter.....	18.09	11.14
22 11 16 00-0570	EA		1" Crimped Copper Female Adapter.....	22.54	13.25
22 11 16 00-0571	EA		1-1/4" Crimped Copper Female Adapter.....	27.89	14.63
22 11 16 00-0572	EA		1-1/2" Crimped Copper Female Adapter.....	33.02	16.26
22 11 16 00-0573	EA		2" Crimped Copper Female Adapter.....	43.93	19.51
22 11 16 00-0574			Crimped Copper Caps (22 11 16 00-0498)		
22 11 16 00-0575	EA		1/2" Crimped Copper Cap.....	8.59	4.87
22 11 16 00-0576	EA		3/4" Crimped Copper Cap.....	10.69	5.69
22 11 16 00-0577	EA		1" Crimped Copper Cap.....	13.07	6.50
22 11 16 00-0578	EA		1-1/4" Crimped Copper Cap.....	14.72	7.32
22 11 16 00-0579	EA		1-1/2" Crimped Copper Cap.....	18.41	8.38
22 11 16 00-0580	EA		2" Crimped Copper Cap.....	21.69	9.76
22 11 16 00-0581	EA		2-1/2" Crimped Copper Cap.....	39.64	11.38
22 11 16 00-0582	EA		3" Crimped Copper Cap.....	48.88	13.57
22 11 16 00-0583	EA		4" Crimped Copper Cap.....	64.88	17.88
22 11 16 00-0584			C x F NPT Crimped Bronze Unions (22 11 16 00-0498)		
22 11 16 00-0585	EA		1/2" C x F NPT Crimped Bronze Union.....	23.64	13.25
22 11 16 00-0586	EA		3/4" C x F NPT Crimped Bronze Union.....	29.25	16.34
22 11 16 00-0587	EA		1" C x F NPT Crimped Bronze Union.....	37.28	19.59
22 11 16 00-0588	EA		1-1/4" C x F NPT Crimped Bronze Union.....	44.02	22.60
22 11 16 00-0589	EA		1-1/2" C x F NPT Crimped Bronze Union.....	48.94	22.11
22 11 16 00-0590	EA		2" C x F NPT Crimped Bronze Union.....	68.87	32.03
22 11 16 00-0591			C x C Crimped Bronze Unions (22 11 16 00-0498)		
22 11 16 00-0592	EA		1/2" C x C Bronze Crimped Union.....	19.28	9.76
22 11 16 00-0593	EA		3/4" C x C Bronze Crimped Union.....	22.75	11.14
22 11 16 00-0594	EA		1" C x C Bronze Crimped Union.....	29.64	13.25
22 11 16 00-0595	EA		1-1/4" C x C Bronze Crimped Union.....	35.84	14.63
22 11 16 00-0596	EA		1-1/2" C x C Bronze Crimped Union.....	43.25	16.26
22 11 16 00-0597	EA		2" C x C Bronze Crimped Union.....	60.08	19.51
22 11 16 00-0598			C x Flange Crimped Bronze Flange (22 11 16 00-0498)		
22 11 16 00-0599	EA		2-1/2" C x Flange Crimped Bronze Flange.....	100.12	22.76
22 11 16 00-0600	EA		3" C x Flange Crimped Bronze Flange.....	111.65	27.07
22 11 16 00-0601	EA		4" C x Flange Crimped Bronze Flange.....	133.15	35.77
22 11 16 00-0602			Field Installed FKM Seals (22 11 16 00-0498)		
			Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0603	EA		1/2" Field Installed FKM Seal.....	4.02	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0604	EA		3/4" Field Installed FKM Seal.....	4.84	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0605	EA		1" Field Installed FKM Seal.....	5.53	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0606	EA		1-1/4" Field Installed FKM Seal.....	6.28	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0607	EA		1-1/2" Field Installed FKM Seal.....	7.79	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0608	EA		2" Field Installed FKM Seal.....	8.90	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0609	EA		2-1/2" Field Installed FKM Seal.....	11.54	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0610	EA		3" Field Installed FKM Seal.....	13.51	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0611	EA		4" Field Installed FKM Seal.....	18.10	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0612			Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0285)		
22 11 16 00-0613	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	8.12	
22 11 16 00-0614	EA		3/4", Cut And Prepare Existing In Place Copper Pipe.....	8.78	
22 11 16 00-0615	EA		1", Cut And Prepare Existing In Place Copper Pipe.....	9.88	
22 11 16 00-0616	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	10.37	
22 11 16 00-0617	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.97	
22 11 16 00-0618	EA		2", Cut And Prepare Existing In Place Copper Pipe.....	12.07	
22 11 16 00-0619	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	13.01	
22 11 16 00-0620	EA		3", Cut And Prepare Existing In Place Copper Pipe.....	15.36	
22 11 16 00-0621	EA		4", Cut And Prepare Existing In Place Copper Pipe.....	20.73	
22 11 16 00-0622	EA		6", Cut And Prepare Existing In Place Copper Pipe.....	29.63	
22 11 16 00-0623	EA		8", Cut And Prepare Existing In Place Copper Pipe.....	39.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0624				Sweat Brass Companion Flanges (22 11 16 00-0285)		
			EA	1" Sweat Brass Companion Flange	46.38	12.50
			EA	1-1/4" Sweat Brass Companion Flange	50.62	13.77
			EA	1-1/2" Sweat Brass Companion Flange	72.54	14.97
			EA	2" Sweat Brass Companion Flange	97.18	16.61
			EA	2-1/2" Sweat Brass Companion Flange	122.90	19.98
			EA	3" Sweat Brass Companion Flange	135.50	26.19
			EA	4" Sweat Brass Companion Flange	181.02	31.21
			EA	5" Sweat Brass Companion Flange	341.22	37.59
			EA	6" Sweat Brass Companion Flange	393.65	54.62
			EA	8" Copper Companion Flange	907.17	77.91
22 11 16 00-0635				Brass Compression Fittings (22 11 16 00-0285)		
22 11 16 00-0636				Brass Compression Unions (22 11 16 00-0635)		
			EA	1/4" Brass Compression Union	13.89	8.78
			EA	3/8" Brass Compression Union	14.09	8.78
			EA	1/2" Brass Compression Union	14.70	8.78
			EA	5/8" Brass Compression Union	14.99	8.78
			EA	3/4" Brass Compression Union	17.39	8.78
			EA	3/8" x 1/4" Brass Compression Union	14.23	8.78
			EA	1/2" x 3/8" Brass Compression Union	14.75	8.78
			EA	5/8" x 3/8" Brass Compression Union	15.11	8.78
			EA	5/8" x 1/2" Brass Compression Union	15.69	8.78
22 11 16 00-0646				Brass Compression Union Elbows (22 11 16 00-0635)		
			EA	1/4" Brass Compression Union Elbow	14.70	8.78
			EA	3/8" Brass Compression Union Elbow	15.03	8.78
			EA	1/2" Brass Compression Union Elbow	15.75	8.78
			EA	5/8" Brass Compression Union Elbow	16.87	8.78
			EA	3/4" Brass Compression Union Elbow	21.23	8.78
			EA	3/8" x 1/4" Brass Compression Union Elbow	15.02	8.78
			EA	1/2" x 3/8" Brass Compression Union Elbow	15.75	8.78
			EA	5/8" x 3/8" Brass Compression Union Elbow	15.95	8.78
			EA	5/8" x 1/2" Brass Compression Union Elbow	19.23	8.78
22 11 16 00-0656				Brass Compression Union Tees (22 11 16 00-0635)		
			EA	1/4" Brass Compression Union Tee	14.95	8.78
			EA	3/8" Brass Compression Union Tee	15.63	8.78
			EA	1/2" Brass Compression Union Tee	16.35	8.78
			EA	5/8" Brass Compression Union Tee	18.63	8.78
			EA	3/4" Brass Compression Union Tee	26.51	8.78
			EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	16.11	8.78
			EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	19.81	8.78
			EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	19.45	8.78
			EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	19.87	8.78
22 11 16 00-0666				Brass Compression Male Connectors (22 11 16 00-0635)		
			EA	1/4" Brass Compression Male Connector	13.75	8.78
			EA	3/8" Brass Compression Male Connector	14.01	8.78
			EA	1/2" Brass Compression Male Connector	14.47	8.78
			EA	5/8" Brass Compression Male Connector	15.15	8.78
			EA	3/4" Brass Compression Male Connector	16.12	8.70
22 11 16 00-0672				Brass Compression Female Connectors (22 11 16 00-0635)		
			EA	1/4" Brass Compression Female Connector	14.04	8.78
			EA	3/8" Brass Compression Female Connector	14.38	8.78
			EA	1/2" Brass Compression Female Connector	14.96	8.78
			EA	5/8" Brass Compression Female Connector	15.35	8.78
			EA	3/4" Brass Compression Female Connector	19.02	8.62
22 11 16 00-0678				Dielectric Fittings (22 11 16 00-0285)		
22 11 16 00-0679				Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
			EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	38.77	19.51
			EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	42.83	22.27
			EA	1" Copper x Female Iron Pipe Thread Dielectric Union	53.18	24.47
			EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	67.49	26.94
			EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	84.59	29.94
			EA	2" Copper x Female Iron Pipe Thread Dielectric Union	109.82	35.92



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0686			Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0687	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	44.76	19.51
22 11 16 00-0688	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	52.70	22.27
22 11 16 00-0689	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	66.20	24.47
22 11 16 00-0690	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	84.77	26.94
22 11 16 00-0691	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	105.97	29.94
22 11 16 00-0692	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	134.89	35.92
22 11 16 00-0693			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0694	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	40.96	19.51
22 11 16 00-0695	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	46.43	22.27
22 11 16 00-0696	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	54.13	24.47
22 11 16 00-0697	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	64.15	26.94
22 11 16 00-0698	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	81.28	29.94
22 11 16 00-0699	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	107.16	35.92
22 11 16 00-0700			Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0678)		
22 11 16 00-0701	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	261.84	92.35
22 11 16 00-0702	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	327.04	116.30
22 11 16 00-0703	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	467.60	158.27
22 11 16 00-0704			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0678)		
22 11 16 00-0705	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	264.35	92.35
22 11 16 00-0706	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	346.71	116.30
22 11 16 00-0707	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	694.45	158.27
22 11 16 00-0708			Copper Pipe Assemblies (22 11 16)		
			Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0709	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	15.70	2.28
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.03	
			For Type M Tubing Instead Of Type L, Deduct	-0.87	
			For Silver Solder Instead Of 95/5 Solder, Add	2.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.42	
			For Work In Restricted Working Space, Add	3.82	
22 11 16 00-0710	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	18.38	2.93
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.27	
			For Type M Tubing Instead Of Type L, Deduct	-1.05	
			For Silver Solder Instead Of 95/5 Solder, Add	2.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.64	
			For Work In Restricted Working Space, Add	4.32	
22 11 16 00-0711	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	20.29	3.49
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.51	
			For Type M Tubing Instead Of Type L, Deduct	-1.23	
			For Silver Solder Instead Of 95/5 Solder, Add	2.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.77	
			For Work In Restricted Working Space, Add	4.53	
22 11 16 00-0712	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	22.21	4.07
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.76	
			For Type M Tubing Instead Of Type L, Deduct	-1.41	
			For Silver Solder Instead Of 95/5 Solder, Add	2.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.90	
			For Work In Restricted Working Space, Add	4.71	
			For DWV Tubing Instead Of Type L, Deduct	-0.65	
22 11 16 00-0713	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	24.76	4.63
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	2.07	
			For Type M Tubing Instead Of Type L, Deduct	-1.63	
			For Silver Solder Instead Of 95/5 Solder, Add	2.91	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.07	
			For Work In Restricted Working Space, Add	5.02	
			For DWV Tubing Instead Of Type L, Deduct	-0.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0714	LF			2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 3.68 <i>For Type M Tubing Instead Of Type L, Deduct</i> -2.78 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.72 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.76 <i>For Work In Restricted Working Space, Add</i> 5.78 <i>For DWV Tubing Instead Of Type L, Deduct</i> -1.67	35.97	5.77
22 11 16 00-0715	LF			2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 4.85 <i>For Type M Tubing Instead Of Type L, Deduct</i> -3.60 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.25 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.22 <i>For Work In Restricted Working Space, Add</i> 6.20 <i>For DWV Tubing Instead Of Type L, Deduct</i> -2.31	43.75	6.96
22 11 16 00-0716	LF			3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 5.90 <i>For Type M Tubing Instead Of Type L, Deduct</i> -4.34 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.79 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.67 <i>For Work In Restricted Working Space, Add</i> 6.71 <i>For DWV Tubing Instead Of Type L, Deduct</i> -2.87	51.08	8.08
22 11 16 00-0717	LF			4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 9.18 <i>For Type M Tubing Instead Of Type L, Deduct</i> -6.68 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 6.64 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -5.19 <i>For Work In Restricted Working Space, Add</i> 8.68 <i>For DWV Tubing Instead Of Type L, Deduct</i> -4.60	74.91	10.70
22 11 16 00-0718	LF			5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 23.77 <i>For Type M Tubing Instead Of Type L, Deduct</i> -16.82 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 11.96 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -10.10 <i>For Work In Restricted Working Space, Add</i> 11.14 <i>For DWV Tubing Instead Of Type L, Deduct</i> -12.78	164.90	13.32
22 11 16 00-0719	LF			6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 29.27 <i>For Type M Tubing Instead Of Type L, Deduct</i> -20.73 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 14.92 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -12.56 <i>For Work In Restricted Working Space, Add</i> 14.14 <i>For DWV Tubing Instead Of Type L, Deduct</i> -15.70	204.14	16.09
22 11 16 00-0720	LF			8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 55.18 <i>For Type M Tubing Instead Of Type L, Deduct</i> -38.70 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 23.94 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -21.01 <i>For Work In Restricted Working Space, Add</i> 17.58 <i>For DWV Tubing Instead Of Type L, Deduct</i> -30.30	361.55	19.23
22 11 16 00-0721				Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings ^(22 11 16) Note: Socket weld.		
22 11 16 00-0722				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings ^(22 11 16 00-0721)		
22 11 16 00-0723				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe ^(22 11 16 00-0722)		
22 11 16 00-0724	LF			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 0.89	4.09	1.20
22 11 16 00-0725	LF			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 0.94	4.65	1.26
22 11 16 00-0726	LF			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.01	5.60	1.35
22 11 16 00-0727	LF			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.11	6.76	1.47
22 11 16 00-0728	LF			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.23	7.80	1.63
22 11 16 00-0729	LF			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.37	9.68	1.82
22 11 16 00-0730	LF			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.56	13.04	2.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0731	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.61 1.84	2.46
22 11 16 00-0732	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	22.92 2.26	3.01
22 11 16 00-0733	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	39.35 2.88	3.83
22 11 16 00-0734	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	56.47 3.77	5.03
22 11 16 00-0735			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0722)</small>		
22 11 16 00-0736	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	15.95 4.27	5.69
22 11 16 00-0737	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	20.64 5.39	7.18
22 11 16 00-0738	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.76 6.76	8.98
22 11 16 00-0739	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.31 8.44	11.22
22 11 16 00-0740	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	40.36 9.34	12.42
22 11 16 00-0741	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.16 10.42	12.42
22 11 16 00-0742	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.91 11.86	15.79
22 11 16 00-0743	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.90 14.01	18.71
22 11 16 00-0744	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	116.18 17.24	22.98
22 11 16 00-0745	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.62 21.91	29.19
22 11 16 00-0746	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	275.87 28.74	38.32
22 11 16 00-0747			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0722)</small>		
22 11 16 00-0748	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	16.81 4.27	5.69
22 11 16 00-0749	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	21.68 5.39	7.18
22 11 16 00-0750	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.44 6.76	8.98
22 11 16 00-0751	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	38.52 8.44	11.22
22 11 16 00-0752	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.04 9.34	12.42
22 11 16 00-0753	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.07 10.42	13.92
22 11 16 00-0754	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	72.49 11.86	15.79
22 11 16 00-0755	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.82 14.01	18.71
22 11 16 00-0756	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.66 17.24	22.98
22 11 16 00-0757	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.34 21.91	29.19
22 11 16 00-0758	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	289.84 28.74	38.32
22 11 16 00-0759			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0722)</small>		
22 11 16 00-0760	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	24.46 6.40	8.53
22 11 16 00-0761	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	31.95 8.08	10.78
22 11 16 00-0762	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	39.98 10.15	13.55
22 11 16 00-0763	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	55.19 12.66	16.91
22 11 16 00-0764	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	61.58 14.01	18.71
22 11 16 00-0765	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	74.28 15.63	20.80
22 11 16 00-0766	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	95.73 17.78	23.72
22 11 16 00-0767	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	109.72 21.02	27.99
22 11 16 00-0768	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	133.07 25.86	34.50
22 11 16 00-0769	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	201.13 32.87	43.86



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0770	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	405.85 43.11	57.48
22 11 16 00-0771				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0722)</small>		
22 11 16 00-0772	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	31.14 8.53	11.37
22 11 16 00-0773	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	40.23 10.78	14.36
22 11 16 00-0774	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	50.37 13.52	18.04
22 11 16 00-0775	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	67.47 16.88	22.52
22 11 16 00-0776	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	75.08 18.68	24.92
22 11 16 00-0777	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	88.57 20.84	27.76
22 11 16 00-0778	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	110.43 23.71	31.58
22 11 16 00-0779	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	127.56 28.02	37.34
22 11 16 00-0780	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	155.31 34.49	45.95
22 11 16 00-0781	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	224.94 43.82	58.44
22 11 16 00-0782	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	417.39 57.47	76.63
22 11 16 00-0783				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0722)</small>		
22 11 16 00-0784	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	14.21 3.95	5.24
22 11 16 00-0785	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	19.75 5.32	7.11
22 11 16 00-0786	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	32.40 6.96	9.28
22 11 16 00-0787	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	36.53 7.70	10.25
22 11 16 00-0788	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	42.93 8.60	11.45
22 11 16 00-0789	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	46.89 9.79	13.02
22 11 16 00-0790	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	56.80 11.56	15.41
22 11 16 00-0791	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	76.70 14.23	18.94
22 11 16 00-0792	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	122.57 18.08	24.09
22 11 16 00-0793	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	266.54 23.71	31.58
22 11 16 00-0794				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0722)</small>		
22 11 16 00-0795	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	16.12 2.81	3.74
22 11 16 00-0796	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	20.46 3.95	5.24
22 11 16 00-0797	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	25.55 5.32	7.11
22 11 16 00-0798	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	31.90 6.96	9.28
22 11 16 00-0799	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	37.27 7.70	10.25
22 11 16 00-0800	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	46.62 8.60	11.45
22 11 16 00-0801	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	70.99 9.79	13.02
22 11 16 00-0802	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	138.74 11.56	15.41
22 11 16 00-0803	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	205.36 14.23	18.94
22 11 16 00-0804				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0722)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0805	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	11.95	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0806	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	16.68	5.24
			<i>For Work In Restricted Working Space, Add</i>	3.95	
22 11 16 00-0807	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	23.63	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0808	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	31.90	9.28
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0809	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	37.44	10.25
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-0810	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	44.58	11.45
			<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-0811	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	62.75	13.02
			<i>For Work In Restricted Working Space, Add</i>	9.79	
22 11 16 00-0812	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	74.96	15.41
			<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0813	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	109.02	18.94
			<i>For Work In Restricted Working Space, Add</i>	14.23	
22 11 16 00-0814			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0722)		
22 11 16 00-0815	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	12.93	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0816	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	16.99	5.24
			<i>For Work In Restricted Working Space, Add</i>	3.95	
22 11 16 00-0817	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	23.72	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0818	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	32.19	9.28
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0819	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	36.12	10.25
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-0820	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	43.50	11.45
			<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-0821	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	63.37	13.02
			<i>For Work In Restricted Working Space, Add</i>	9.79	
22 11 16 00-0822	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	85.84	15.41
			<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0823	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	127.51	18.94
			<i>For Work In Restricted Working Space, Add</i>	14.23	
22 11 16 00-0824			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0722)		
22 11 16 00-0825	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	10.73	3.44
			<i>For Work In Restricted Working Space, Add</i>	2.56	
22 11 16 00-0826	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	15.09	4.78
			<i>For Work In Restricted Working Space, Add</i>	3.59	
22 11 16 00-0827	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.28	6.44
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0828	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	27.35	8.46
			<i>For Work In Restricted Working Space, Add</i>	6.33	
22 11 16 00-0829	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	31.23	9.36
			<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0830	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	35.19	10.41
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0831	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	51.58	11.83
			<i>For Work In Restricted Working Space, Add</i>	8.89	
22 11 16 00-0832	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	57.18	13.99
			<i>For Work In Restricted Working Space, Add</i>	10.51	
22 11 16 00-0833	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	72.14	17.21
			<i>For Work In Restricted Working Space, Add</i>	12.93	
22 11 16 00-0834	EA	6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	112.07	21.93
			<i>For Work In Restricted Working Space, Add</i>	16.43	
22 11 16 00-0835	EA	8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	187.92	28.74
			<i>For Work In Restricted Working Space, Add</i>	21.55	
22 11 16 00-0836			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0722)		
22 11 16 00-0837	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	19.64	4.12
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 11 16 00-0838	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	24.21	5.76
			<i>For Work In Restricted Working Space, Add</i>	4.31	
22 11 16 00-0839	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	29.47	7.71
			<i>For Work In Restricted Working Space, Add</i>	5.79	
22 11 16 00-0840	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	49.18	10.10
			<i>For Work In Restricted Working Space, Add</i>	7.59	
22 11 16 00-0841	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	52.31	11.22
			<i>For Work In Restricted Working Space, Add</i>	8.40	
22 11 16 00-0842	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	71.64	12.50
			<i>For Work In Restricted Working Space, Add</i>	9.39	
22 11 16 00-0843	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	119.22	14.22
			<i>For Work In Restricted Working Space, Add</i>	10.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0844 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	168.49 12.62	16.84
22 11 16 00-0845 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	266.65 15.51	20.66
22 11 16 00-0846 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	355.99 19.71	26.27
22 11 16 00-0847 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	440.81 25.86	34.50
22 11 16 00-0848 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0722)		
22 11 16 00-0849 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	6.32 0.85	1.12
22 11 16 00-0850 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	10.92 1.79	2.40
22 11 16 00-0851 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	18.37 2.90	3.89
22 11 16 00-0852 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	20.12 3.17	4.19
22 11 16 00-0853 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	21.42 3.50	4.64
22 11 16 00-0854 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	28.72 3.91	5.24
22 11 16 00-0855 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	43.09 4.45	5.91
22 11 16 00-0856 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	46.44 5.26	7.03
22 11 16 00-0857 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	70.34 6.47	8.60
22 11 16 00-0858 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	148.77 8.22	10.93
22 11 16 00-0859 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	191.78 10.78	14.36
22 11 16 00-0860 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0722)		
22 11 16 00-0861 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	15.20 2.04	2.69
22 11 16 00-0862 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	18.57 2.87	3.82
22 11 16 00-0863 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	22.88 3.86	5.17
22 11 16 00-0864 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	27.21 5.07	6.74
22 11 16 00-0865 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	29.25 5.61	7.48
22 11 16 00-0866 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	34.82 6.24	8.31
22 11 16 00-0867 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	45.60 7.12	9.51
22 11 16 00-0868 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.85 8.40	11.22
22 11 16 00-0869 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	64.74 10.35	13.77
22 11 16 00-0870 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	91.40 13.16	17.52
22 11 16 00-0871 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	164.72 17.24	22.98
22 11 19 Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.53	1.62
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.60	1.62
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.76	1.62
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.72	1.62
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.73	2.43
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.97	2.43
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.84	3.24
22 11 19 00-0010 Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0011 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,060.65	190.96
22 11 19 00-0012 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,505.34	190.96
22 11 19 00-0013 Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0014 EA 2" Inside Diameter, 20' Rubber Discharge Hose	180.73	49.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0015 EA 2" Inside Diameter, 20' Rubber Intake Hose	187.05	49.51
22 11 19 00-0016 Serrated Shank Nipple (22 11 19 00-0001) Note: For use as medium pressure coupling.		
22 11 19 00-0017 EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	17.60	4.05
22 11 19 00-0018 EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	17.52	4.05
22 11 19 00-0019 EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	17.52	4.05
22 11 19 00-0020 EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	22.18	5.67
22 11 19 00-0021 EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	23.32	5.67
22 11 19 00-0022 EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	44.01	10.54
22 11 19 00-0023 EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	54.64	12.97
22 11 19 00-0024 Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	8.24	2.43
22 11 19 00-0026 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	8.72	2.43
22 11 19 00-0027 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	9.25	2.43
22 11 19 00-0028 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	9.85	2.43
22 11 19 00-0029 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	10.54	2.43
22 11 19 00-0030 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	11.39	3.24
22 11 19 00-0031 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	12.31	3.24
22 11 19 00-0032 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033 Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	140.32	12.19
22 11 19 00-0035 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	86.90	8.12
22 11 19 00-0036 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	84.49	8.12
22 11 19 00-0037 Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	85.00	16.26
Note: Can be used for two, three or four drains.		
22 11 19 00-0039 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	91.49	16.26
Note: Can be used for two, three or four drains.		
22 11 19 00-0040 Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041 EA Two Outlet Manifold	114.31	21.87
22 11 19 00-0042 EA Four Outlet Manifold	167.64	24.88
22 11 19 00-0043 EA Six Outlet Manifold	218.83	26.34
22 11 19 00-0044 EA Eight Outlet Manifold	273.80	30.89
22 11 19 00-0045 Brass, Anti Siphon Vacuum Breakers (22 11 19) Note: Watts 288A		
22 11 19 00-0046 EA 1/2" Brass, Anti Siphon Vacuum Breaker	61.19	20.33
22 11 19 00-0047 EA 3/4" Brass, Anti Siphon Vacuum Breaker	69.69	22.76
22 11 19 00-0048 EA 1" Brass, Anti Siphon Vacuum Breaker	126.11	26.02
22 11 19 00-0049 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker	191.50	30.08
22 11 19 00-0050 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker	228.09	33.33
22 11 19 00-0051 EA 2" Brass, Anti Siphon Vacuum Breaker	326.68	40.64
22 11 19 00-0052 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker	812.04	50.81
22 11 19 00-0053 Anti Siphon Pressure Vacuum Breakers (22 11 19) Note: Watts 800M4QT		
22 11 19 00-0054 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker	148.23	20.33
22 11 19 00-0055 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker	133.44	22.76
22 11 19 00-0056 EA 1" Anti Siphon Pressure Type Vacuum Breaker	185.32	26.02
22 11 19 00-0057 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker	321.75	30.08
22 11 19 00-0058 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	390.64	33.33
22 11 19 00-0059 EA 2" Anti Siphon Pressure Type Vacuum Breaker	399.49	40.64
22 11 19 00-0060 Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0061 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	128.75	9.73
22 11 19 00-0062 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	245.97	11.76
22 11 19 00-0063 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	356.24	11.76
22 11 19 00-0064 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	857.66	11.76
22 11 19 00-0065 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	965.07	11.76
22 11 19 00-0066 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,180.51	11.76



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0067			Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0068			Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0067)		
22 11 19 00-0069	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-A).....	77.38	5.42
22 11 19 00-0070	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-B).....	145.60	6.25
22 11 19 00-0071	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-C).....	214.55	6.78
22 11 19 00-0072	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-D).....	522.00	8.74
22 11 19 00-0073	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-E).....	635.92	10.84
22 11 19 00-0074	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-F).....	723.21	11.76
22 11 19 00-0075			Escutcheons (22 11 19)		
22 11 19 00-0076			Brass Escutcheons (22 11 19 00-0075)		
22 11 19 00-0077			Shallow Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0078	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	10.33	2.03
22 11 19 00-0079	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.22	2.03
22 11 19 00-0080			Deep Bell Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0081	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.38	2.28
22 11 19 00-0082	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.41	2.28
22 11 19 00-0083			Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0076)		
22 11 19 00-0084	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.32	2.03
22 11 19 00-0085	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.44	2.03
22 11 19 00-0086	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.61	2.03
22 11 19 00-0087	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	13.23	2.03
22 11 19 00-0088	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	13.48	2.44
22 11 19 00-0089	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	14.08	2.44
22 11 19 00-0090	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	14.67	2.68
22 11 19 00-0091	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	15.39	2.85
22 11 19 00-0092	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	21.61	3.25
22 11 19 00-0093			Plastic Escutcheons (22 11 19 00-0075)		
22 11 19 00-0094			Split-Ring White Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0095	EA		3/8" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0096	EA		1/2" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0097	EA		3/4" IPS, Split-Ring White Plastic Escutcheon.....	4.80	2.27
22 11 19 00-0098	EA		1" IPS, Split-Ring White Plastic Escutcheon.....	5.22	2.43
22 11 19 00-0099	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	5.64	2.67
22 11 19 00-0100	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.07	2.83
22 11 19 00-0101	EA		2" IPS, Split-Ring White Plastic Escutcheon.....	6.92	3.24
22 11 19 00-0102	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	7.81	3.49
22 11 19 00-0103	EA		3" IPS, Split-Ring White Plastic Escutcheon.....	8.70	3.65
22 11 19 00-0104	EA		4" IPS, Split-Ring White Plastic Escutcheon.....	10.00	4.05
22 11 19 00-0105			Chrome Plate Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0106	EA		1/2" IPS, Chrome Plate Plastic Escutcheon.....	4.69	2.03
22 11 19 00-0107	EA		3/4" IPS, Chrome Plate Plastic Escutcheon.....	5.15	2.27
22 11 19 00-0108	EA		1" IPS, Chrome Plate Plastic Escutcheon.....	5.67	2.43
22 11 19 00-0109	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	6.19	2.67
22 11 19 00-0110	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	6.61	2.83
22 11 19 00-0111	EA		2" IPS, Chrome Plate Plastic Escutcheon.....	7.85	3.24
22 11 19 00-0112	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	9.48	3.49
22 11 19 00-0113	EA		3" IPS, Chrome Plate Plastic Escutcheon.....	9.93	3.65
22 11 19 00-0114	EA		4" IPS, Chrome Plate Plastic Escutcheon.....	10.85	4.05
22 11 19 00-0115			Stainless Steel Escutcheons (22 11 19 00-0075)		
22 11 19 00-0116			Shallow Stainless Steel Escutcheons (22 11 19 00-0115)		
22 11 19 00-0117	EA		3/8" IPS, Shallow Stainless Steel Escutcheon.....	10.38	2.03
22 11 19 00-0118	EA		1/2" IPS, Shallow Stainless Steel Escutcheon.....	10.38	2.03
22 11 19 00-0119	EA		3/4" IPS, Shallow Stainless Steel Escutcheon.....	14.23	2.28
22 11 19 00-0120			Chrome Plated Steel Escutcheons (22 11 19 00-0075)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0121			Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0120)		
22 11 19 00-0122	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.40	2.03
22 11 19 00-0123	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.81	2.27
22 11 19 00-0124	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.28	2.43
22 11 19 00-0125	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.68	2.67
22 11 19 00-0126	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.09	2.83
22 11 19 00-0127	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.01	3.24
22 11 19 00-0128	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.79	3.49
22 11 19 00-0129	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.38	3.65
22 11 19 00-0130	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	12.45	3.89
22 11 19 00-0131	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.36	4.05
22 11 19 00-0132	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.25	4.46
22 11 19 00-0133	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.43	4.86
22 11 19 00-0134			Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0120)		
22 11 19 00-0135	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.39	2.03
22 11 19 00-0136	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.39	2.03
22 11 19 00-0137	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.88	2.27
22 11 19 00-0138	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.43	2.43
22 11 19 00-0139	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.19	2.67
22 11 19 00-0140	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.70	2.83
22 11 19 00-0141	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.26	3.24
22 11 19 00-0142	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.65	3.49
22 11 19 00-0143	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.92	3.65
22 11 19 00-0144	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	16.77	3.89
22 11 19 00-0145	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.09	4.05
22 11 19 00-0146	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	27.03	4.46
22 11 19 00-0147	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	28.32	4.86
22 11 19 00-0148			Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0120)		
22 11 19 00-0149	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.30	2.28
22 11 19 00-0150	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.24	2.28
22 11 19 00-0151	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.12	2.28
22 11 19 00-0152	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.61	2.44
22 11 19 00-0153	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.10	2.68
22 11 19 00-0154	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.67	2.85
22 11 19 00-0155			Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0120)		
22 11 19 00-0156	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
22 11 19 00-0157	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
22 11 19 00-0158	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.94	2.03
22 11 19 00-0159	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.26	2.44
22 11 19 00-0160	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.71	2.68
22 11 19 00-0161	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.28	2.85
22 11 19 00-0162	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.13	3.25
22 11 19 00-0163			Wall Hydrants (22 11 19)		
			Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0164			Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker		
			Wall Hydrants (22 11 19 00-0163)		
			Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0165	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	465.30	20.33
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0166	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	492.43	24.38
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0167	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	509.08	29.35
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0168			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants		
			(22 11 19 00-0163)		
			Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0169	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	481.99	34.14
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0170			Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0163)		
			Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0171	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	265.95	25.20
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0172	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	324.30	25.20
			For 1" NPT Outlet, Add	54.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0173	EA			6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant 324.30 <i>For 1" NPT Outlet, Add</i> 54.31	324.30	25.20
22 11 19 00-0174	EA			8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant 324.30 <i>For 1" NPT Outlet, Add</i> 54.31	324.30	25.20
22 11 19 00-0175	EA			10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant 337.87 <i>For 1" NPT Outlet, Add</i> 54.31	337.87	50.81
22 11 19 00-0176	EA			12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant 337.87 <i>For 1" NPT Outlet, Add</i> 54.31	337.87	50.81
22 11 19 00-0177	EA			18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant 378.49 <i>For 1" NPT Outlet, Add</i> 54.31	378.49	50.81
22 11 19 00-0178				Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0163)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0179	EA			Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)..... 238.91	238.91	20.33
22 11 19 00-0180	EA			Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141) 259.27	259.27	20.33
22 11 19 00-0181	EA			Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)..... 262.04	262.04	20.33
22 11 19 00-0182	EA			Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151) 292.58	292.58	20.33
22 11 19 00-0183	EA			Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... 408.82 Note: Includes hot and cold hose connections.	408.82	28.45
22 11 19 00-0184	EA			Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) 420.85 Note: Includes hot and cold hose connections.	420.85	28.45
22 11 19 00-0185	EA			Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... 420.85 Note: Includes hot and cold hose connections.	420.85	28.45
22 11 19 00-0186	EA			Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) 449.53 Note: Includes hot and cold hose connections.	449.53	28.45
22 11 19 00-0187				Washer Boxes And Dryer Outlets <small>(22 11 19)</small>		
22 11 19 00-0188				Dryer Vent Kit <small>(22 11 19 00-0187)</small> Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0189	EA			Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps 57.19	57.19	10.57
22 11 19 00-0190				Washer Boxes And Dryer Vents <small>(22 11 19 00-0187)</small> Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0191	EA			2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves 184.87	184.87	16.26
22 11 19 00-0192				Ice Maker Outlet Box <small>(22 11 19)</small> Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0193	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount 101.70	101.70	16.26
22 11 19 00-0194	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount 125.63	125.63	16.26
22 11 19 00-0195	EA			Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount..... 138.80	138.80	16.26
22 11 19 00-0196				Tempering Controllers For Potable Hot Water <small>(22 11 19)</small>		
22 11 19 00-0197				Point-Of-Use Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0196)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0198	EA			1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007) 251.85	251.85	19.68
22 11 19 00-0199	EA			1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)..... 130.77	130.77	19.68
22 11 19 00-0200	EA			1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)..... 140.39	140.39	19.68
22 11 19 00-0201	EA			3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)..... 216.71	216.71	26.51
22 11 19 00-0202				Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0196)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops andremovable strainers.		
22 11 19 00-0203	EA			3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) 613.24	613.24	28.38
22 11 19 00-0204	EA			3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) 691.34	691.34	34.96
22 11 19 00-0205	EA			1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) 829.44	829.44	40.66
22 11 19 00-0206	EA			1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)..... 1,068.53	1,068.53	42.74
22 11 19 00-0207	EA			2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) 1,433.12	1,433.12	55.45
22 11 19 00-0208				High Low Temperature Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0196)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of lossor interruption of hot water supply. Flow is shut off in the event ofthermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0209	EA			3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) 1,507.01	1,507.01	43.71
22 11 19 00-0210	EA			1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) 1,952.20	1,952.20	50.83
22 11 19 00-0211	EA			1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)..... 2,272.47	2,272.47	53.42
22 11 19 00-0212	EA			2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) 2,525.14	2,525.14	69.31



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0213		Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0196)</small>		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0214	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	566.12	28.38
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0215	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	667.09	34.96
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0216	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	819.02	40.66
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0217	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	998.81	42.76
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0218	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	1,480.89	55.45
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0219		Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0196)</small>		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0220	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,207.11	40.64
22 11 19 00-0221	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,293.50	51.22
22 11 19 00-0222	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,435.25	61.79
22 11 19 00-0223	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,588.87	72.35
22 11 19 00-0224	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,870.43	95.11
22 11 19 00-0225	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	2,179.64	108.43
22 11 19 00-0226		Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0227		Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0228		Threaded Double Check Valve Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0229		Double Check Valve Assemblies With QT Shut-Offs <small>(22 11 19 00-0228)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0230	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	220.85	21.79
		For Work In Restricted Working Space, Add	16.34	
		For Owner Furnished Material, Deduct	-166.38	
22 11 19 00-0231	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	265.05	30.89
		For Work In Restricted Working Space, Add	23.17	
		For Owner Furnished Material, Deduct	-187.82	
22 11 19 00-0232	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	307.41	37.72
		For Work In Restricted Working Space, Add	28.29	
		For Owner Furnished Material, Deduct	-213.10	
22 11 19 00-0233	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	422.83	43.90
		For Work In Restricted Working Space, Add	32.93	
		For Owner Furnished Material, Deduct	-313.08	
22 11 19 00-0234	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	519.96	50.40
		For Work In Restricted Working Space, Add	37.56	
		For Owner Furnished Material, Deduct	-394.77	
22 11 19 00-0235	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	605.18	65.04
		For Work In Restricted Working Space, Add	48.78	
		For Owner Furnished Material, Deduct	-442.59	
22 11 19 00-0236		Double Check Valve Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0228)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0237	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	268.45	21.79
		For Work In Restricted Working Space, Add	16.34	
		For Owner Furnished Material, Deduct	-213.98	
22 11 19 00-0238	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	334.78	30.89
		For Work In Restricted Working Space, Add	23.17	
		For Owner Furnished Material, Deduct	-257.55	
22 11 19 00-0239	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	392.89	37.72
		For Work In Restricted Working Space, Add	28.29	
		For Owner Furnished Material, Deduct	-298.58	
22 11 19 00-0240	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	544.63	43.90
		For Work In Restricted Working Space, Add	32.93	
		For Owner Furnished Material, Deduct	-434.88	
22 11 19 00-0241	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	663.42	50.40
		For Work In Restricted Working Space, Add	37.56	
		For Owner Furnished Material, Deduct	-538.23	
22 11 19 00-0242	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	803.24	65.04
		For Work In Restricted Working Space, Add	48.78	
		For Owner Furnished Material, Deduct	-640.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0243			Flanged Double Check Valve Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0244			Double Check Valve Assemblies With NRS Shut-Offs <small>(22 11 19 00-0243)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0245	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,677.58	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,438.10	
22 11 19 00-0246	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,845.15	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,579.48	
22 11 19 00-0247			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0243)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0248	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,823.76	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,584.28	
22 11 19 00-0249	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,088.95	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,823.28	
22 11 19 00-0250			Double Check Valve Assemblies With NRS Shut-Offs <small>(22 11 19 00-0243)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0251	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,068.76	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,829.30	
22 11 19 00-0252	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,274.62	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,008.94	
22 11 19 00-0253	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,622.23	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-2,223.32	
22 11 19 00-0254	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,387.89	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-3,575.26	
22 11 19 00-0255	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,387.35	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.74	
			<i>For Owner Furnished Material, Deduct</i>	-7,168.21	
22 11 19 00-0256	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	10,991.14	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0257			Double Check Valve Assemblies With NRS Shut-Offs And Strainer <small>(22 11 19 00-0243)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0258	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,271.05	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,031.59	
22 11 19 00-0259	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,516.64	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,250.97	
22 11 19 00-0260	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,160.35	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,761.48	
22 11 19 00-0261	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,409.01	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-4,596.38	
22 11 19 00-0262	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,107.45	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-8,888.50	
22 11 19 00-0263	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,991.14	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0264			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0243)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0265	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,195.89	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,956.43	
22 11 19 00-0266	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,505.82	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,240.15	
22 11 19 00-0267	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,891.62	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,492.75	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0268	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	4,710.35	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-3,897.72	
22 11 19 00-0269	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	8,925.15	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-7,706.20	
22 11 19 00-0270	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	12,066.03	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-10,614.91	
22 11 19 00-0271			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0272	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	1,892.47	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
22 11 19 00-0273	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,084.08	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
22 11 19 00-0274	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,382.68	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
22 11 19 00-0275	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	3,914.59	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
22 11 19 00-0276	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,351.79	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
22 11 19 00-0277	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	8,013.69	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
22 11 19 00-0278			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0279	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,479.00	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
22 11 19 00-0280	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,670.61	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
22 11 19 00-0281	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,362.78	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
22 11 19 00-0282	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,555.33	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-4,742.70	
22 11 19 00-0283	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	9,783.53	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-8,564.58	
22 11 19 00-0284	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	11,642.46	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-10,191.34	
22 11 19 00-0285			Double Check Valve Assemblies With NRS Shut-Off Valves ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0286	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,775.82	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0287	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,972.73	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,707.06	
22 11 19 00-0288	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,276.56	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-1,877.69	
22 11 19 00-0289	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	3,831.23	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-3,018.60	
22 11 19 00-0290	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	7,271.46	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-6,052.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0291	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,238.00 435.34 -6,786.88	798.12
22 11 19 00-0292			N-Pattern Double Check Valve Assemblies With NRS Shut-Offs (22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0293	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,313.16 71.84 -2,073.70	179.61
22 11 19 00-0294	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,504.77 79.70 -2,239.10	202.06
22 11 19 00-0295	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,197.15 119.66 -2,798.28	299.34
22 11 19 00-0296	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,378.91 243.79 -4,566.28	449.85
22 11 19 00-0297	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,516.50 365.69 -8,297.55	674.77
22 11 19 00-0298	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,374.65 435.34 -9,923.53	798.12
22 11 19 00-0299			Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0243) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0300	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,051.72 71.84 -1,812.26	179.61
22 11 19 00-0301	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,243.32 79.70 -1,977.65	202.06
22 11 19 00-0302	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,541.92 119.66 -2,143.05	299.34
22 11 19 00-0303	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,077.85 243.79 -3,265.22	449.85
22 11 19 00-0304	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,515.04 365.69 -6,296.09	674.77
22 11 19 00-0305			N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0243) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0306	EA		2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,638.24 71.84 -2,398.78	179.61
22 11 19 00-0307	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,829.85 79.70 -2,564.18	202.06
22 11 19 00-0308	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,522.02 119.66 -3,123.15	299.34
22 11 19 00-0309	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,718.62 243.79 -4,905.99	449.85
22 11 19 00-0310	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,515.04 365.69 -6,296.09	674.77
22 11 19 00-0311			Grooved Double Check Valve Assemblies (22 11 19 00-0227)		
22 11 19 00-0312			Double Check Valve Assemblies With QT Shut-Offs (22 11 19 00-0311) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0313	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,775.82 71.84 -1,536.36	95.79
22 11 19 00-0314	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,972.73 79.70 -1,707.06	106.27
22 11 19 00-0315			N-Patten Double Check Valve Assemblies With QT Shut-Offs (22 11 19 00-0311) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0316	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,313.16 71.84 -2,073.70	95.79
22 11 19 00-0317	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,504.77 79.70 -2,239.10	106.27
22 11 19 00-0318			Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0226)		
22 11 19 00-0319			Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0318)		
22 11 19 00-0320			Reduced Pressure Zone Assemblies With QT Shut-Offs (22 11 19 00-0319) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0321	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	240.66 14.15 -193.51	18.86
22 11 19 00-0322	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	254.93 15.61 -202.90	20.81
22 11 19 00-0323	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	294.83 16.34 -240.36	21.79
22 11 19 00-0324	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	397.34 23.17 -320.11	30.89
22 11 19 00-0325	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	472.35 28.29 -378.04	37.72
22 11 19 00-0326	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	702.79 32.93 -593.04	43.90
22 11 19 00-0327	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	746.12 37.56 -620.93	50.40
22 11 19 00-0328	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	899.42 48.78 -736.83	65.04
22 11 19 00-0329			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer (22 11 19 00-0319) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0330	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	264.08 14.15 -216.93	18.86
22 11 19 00-0331	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	279.62 15.61 -227.59	20.81
22 11 19 00-0332	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	328.66 16.34 -274.19	30.89
22 11 19 00-0333	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	450.51 23.17 -373.28	30.89
22 11 19 00-0334	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	538.84 28.29 -444.53	37.72
22 11 19 00-0335	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	793.46 32.93 -683.71	43.90
22 11 19 00-0336	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	874.07 37.56 -748.88	50.40
22 11 19 00-0337	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,056.40 48.78 -893.81	65.04
22 11 19 00-0338			Reduced Pressure Zone Assemblies With QT Shut-Offs (22 11 19 00-0319) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0339	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	397.34 23.17 -320.11	30.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11	19 00-0340	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	472.35 28.29 -378.04	37.72
	22 11	19 00-0341	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	702.79 32.93 -593.04	43.90
	22 11	19 00-0342	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	746.12 37.56 -620.93	50.40
	22 11	19 00-0343	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	899.42 48.78 -736.83	65.04
22 11	19 00-0344			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer (22 11 19 00-0319) <small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).</small>		
	22 11	19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	450.51 23.17 -373.28	30.89
	22 11	19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	538.84 28.29 -444.53	37.72
	22 11	19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	793.46 32.93 -683.71	43.90
	22 11	19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	874.07 37.56 -748.88	50.40
	22 11	19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,056.40 48.78 -893.81	65.04
22 11	19 00-0350			Reduced Pressure Zone Assemblies With QT Shut-Offs (22 11 19 00-0319) <small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).</small>		
	22 11	19 00-0351	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	581.33 23.17 -504.10	30.89
	22 11	19 00-0352	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	689.25 28.29 -594.94	37.72
	22 11	19 00-0353	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,043.50 32.93 -933.75	43.90
	22 11	19 00-0354	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,132.08 37.56 -1,006.89	50.40
	22 11	19 00-0355	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,322.21 48.78 -1,159.62	65.04
22 11	19 00-0356			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer (22 11 19 00-0319) <small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).</small>		
	22 11	19 00-0357	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	652.95 23.17 -575.72	30.89
	22 11	19 00-0358	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	778.10 28.29 -683.79	37.72
	22 11	19 00-0359	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,166.91 32.93 -1,057.16	43.90
	22 11	19 00-0360	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,277.86 37.56 -1,152.67	50.40
	22 11	19 00-0361	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,527.22 48.78 -1,364.63	65.04
22 11	19 00-0362			Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0318)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0363 Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0364 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	1,999.43	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,759.95	
22 11 19 00-0365 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	2,250.77	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-1,985.10	
22 11 19 00-0366 Reduced Pressure Zone Assemblies With NRS Shut-Off And Strainer <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0367 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,219.99	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,980.51	
22 11 19 00-0368 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series).....	2,509.90	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,244.23	
22 11 19 00-0369 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0370 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series).....	2,137.21	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,897.73	
22 11 19 00-0371 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,480.55	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,214.88	
22 11 19 00-0372 Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0373 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,510.62	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,271.14	
22 11 19 00-0374 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,868.89	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,603.22	
22 11 19 00-0375 Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0376 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series).....	961.76	112.25
For Work In Restricted Working Space, Add	44.90	
For Owner Furnished Material, Deduct	-812.09	
22 11 19 00-0377 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series).....	1,068.32	130.97
For Work In Restricted Working Space, Add	52.76	
For Owner Furnished Material, Deduct	-892.46	
22 11 19 00-0378 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	1,264.33	153.42
For Work In Restricted Working Space, Add	61.74	
For Owner Furnished Material, Deduct	-1,058.53	
22 11 19 00-0379 Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0380 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,044.20	112.25
For Work In Restricted Working Space, Add	44.90	
For Owner Furnished Material, Deduct	-894.53	
22 11 19 00-0381 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,333.43	130.97
For Work In Restricted Working Space, Add	52.76	
For Owner Furnished Material, Deduct	-1,157.57	
22 11 19 00-0382 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,407.45	153.42
For Work In Restricted Working Space, Add	61.74	
For Owner Furnished Material, Deduct	-1,201.65	
22 11 19 00-0383 Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0384 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,489.64	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,250.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0385	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,806.63	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,540.95	
22 11 19 00-0386	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	3,485.50	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,086.59	
22 11 19 00-0387	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	6,052.72	449.85
			<i>For Work In Restricted Working Space, Add</i>	341.33	
			<i>For Owner Furnished Material, Deduct</i>	-4,914.97	
22 11 19 00-0388	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	10,314.27	674.77
			<i>For Work In Restricted Working Space, Add</i>	511.99	
			<i>For Owner Furnished Material, Deduct</i>	-8,607.64	
22 11 19 00-0389	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	12,891.45	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-11,440.33	
22 11 19 00-0390			Reduced Pressure Zone Assemblies With NRS Shut-Off And Strainer <small>(22 11 19 00-0382)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0391	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	2,692.45	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,452.99	
22 11 19 00-0392	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,045.61	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,779.94	
22 11 19 00-0393	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,946.21	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-3,547.34	
22 11 19 00-0394	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	6,603.28	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-5,790.65	
22 11 19 00-0395	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	11,300.29	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-10,081.34	
22 11 19 00-0396	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	15,424.74	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-13,973.62	
22 11 19 00-0397			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0382)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0398	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,573.18	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,333.72	
22 11 19 00-0399	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	2,981.00	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,715.32	
22 11 19 00-0400	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	3,584.44	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,185.53	
22 11 19 00-0401	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	5,882.69	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-5,070.06	
22 11 19 00-0402	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	10,072.79	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-8,853.84	
22 11 19 00-0403	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	14,157.11	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-12,705.99	
22 11 19 00-0404			Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0382)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0405	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,173.29	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-3,933.81	
22 11 19 00-0406	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,707.78	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-4,442.11	
22 11 19 00-0407			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0382)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0408 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	4,361.75	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-4,122.27	
22 11 19 00-0409 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	5,062.04	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-4,796.37	
22 11 19 00-0410 Double Check Detector Assemblies (22 11 19 00-0226)		
22 11 19 00-0411 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0410)		
22 11 19 00-0412 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0411)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0413 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,682.47	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-3,416.80	
22 11 19 00-0414 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,894.95	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-3,496.08	
22 11 19 00-0415 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,352.42	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-4,539.79	
22 11 19 00-0416 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,424.88	674.77
For Work In Restricted Working Space, Add	365.69	
For Owner Furnished Material, Deduct	-8,205.93	
22 11 19 00-0417 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,665.85	798.12
For Work In Restricted Working Space, Add	435.34	
For Owner Furnished Material, Deduct	-11,214.73	
22 11 19 00-0418 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0411)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0419 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,770.77	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,531.29	
22 11 19 00-0420 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,962.18	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,696.51	
22 11 19 00-0421 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,264.69	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-2,865.82	
22 11 19 00-0422 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,533.87	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-3,721.24	
22 11 19 00-0423 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,945.42	674.77
For Work In Restricted Working Space, Add	365.69	
For Owner Furnished Material, Deduct	-6,726.47	
22 11 19 00-0424 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,374.01	798.12
For Work In Restricted Working Space, Add	435.34	
For Owner Furnished Material, Deduct	-7,922.89	
22 11 19 00-0425 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0411)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0426 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	2,930.04	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,690.56	
22 11 19 00-0427 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,121.46	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,855.79	
22 11 19 00-0428 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,423.93	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-3,025.06	
22 11 19 00-0429 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,697.12	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-3,884.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0430	EA			8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) 7,749.55 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	365.69 -6,530.60	674.77
22 11 19 00-0431				Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0410)</small>		
22 11 19 00-0432				Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0431)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0433	EA			2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 2,720.48 <i>For Work In Restricted Working Space, Add</i>	71.84	179.61
22 11 19 00-0434	EA			3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 2,911.92 <i>For Work In Restricted Working Space, Add</i>	79.70	202.06
22 11 19 00-0435	EA			4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 3,214.42 <i>For Work In Restricted Working Space, Add</i>	119.66	299.34
22 11 19 00-0436	EA			6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 4,483.60 <i>For Work In Restricted Working Space, Add</i>	243.79	449.85
22 11 19 00-0437	EA			8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 7,895.19 <i>For Work In Restricted Working Space, Add</i>	365.69	674.77
22 11 19 00-0438	EA			10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) 9,323.70 <i>For Work In Restricted Working Space, Add</i>	435.34	798.12
22 11 19 00-0439				Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0431)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0440	EA			2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) 2,879.74 <i>For Work In Restricted Working Space, Add</i>	71.84	179.61
22 11 19 00-0441	EA			3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) 3,071.16 <i>For Work In Restricted Working Space, Add</i>	79.70	202.06
22 11 19 00-0442	EA			4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) 3,373.66 <i>For Work In Restricted Working Space, Add</i>	119.66	299.34
22 11 19 00-0443	EA			6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) 4,646.82 <i>For Work In Restricted Working Space, Add</i>	243.79	449.85
22 11 19 00-0444	EA			8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) 8,058.44 <i>For Work In Restricted Working Space, Add</i>	365.69	674.77
22 11 19 00-0445				Backflow Preventer Accessories <small>(22 11 19 00-0226)</small>		
22 11 19 00-0446				Air Gap <small>(22 11 19 00-0445)</small>		
22 11 19 00-0447	EA			Up To 1" Diameter Air Gap For Backflow Preventer 64.60		10.16
22 11 19 00-0448	EA			1-1/4" To 2" Diameter Air Gap For Backflow Preventer 79.27		12.19
22 11 19 00-0449	EA			2-1/2" To 3" Diameter Air Gap For Backflow Preventer 144.25		16.26
22 11 19 00-0450	EA			4" To 6" Diameter Air Gap For Backflow Preventer 282.75		28.45
22 11 19 00-0451	EA			8" To 10" Diameter Air Gap For Backflow Preventer 307.15		40.64
22 11 19 00-0452				Brass Test Cocks <small>(22 11 19 00-0445)</small>		
22 11 19 00-0453	EA			1/8" Or 1/4" Brass Test Cock 21.26		4.07
22 11 19 00-0454				Backflow Valve Enclosures <small>(22 11 19 00-0226)</small>		
22 11 19 00-0455				Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0454)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0456	EA			19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 615.81 <i>For Heated Enclosure, Add</i>	74.08	73.16
22 11 19 00-0457	EA			27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 754.00 <i>For Heated Enclosure, Add</i>	94.81	73.16
22 11 19 00-0458	EA			27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 950.99 <i>For Heated Enclosure, Add</i>	125.81	67.36
22 11 19 00-0459	EA			33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 992.02 <i>For Heated Enclosure, Add</i>	126.35	89.80
22 11 19 00-0460	EA			39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 1,038.88 <i>For Heated Enclosure, Add</i>	133.38	89.80
22 11 19 00-0461	EA			47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 1,221.53 <i>For Heated Enclosure, Add</i>	160.78	89.80
22 11 19 00-0462	EA			39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 1,226.34 <i>For Heated Enclosure, Add</i>	161.50	89.80
22 11 19 00-0463	EA			47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 1,537.56 <i>For Heated Enclosure, Add</i>	208.18	89.80
22 11 19 00-0464	EA			70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure 3,527.82 <i>For Heated Enclosure, Add</i>	495.50	134.70



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0465	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,098.36	134.70
			<i>For Heated Enclosure, Add</i>	731.08	
22 11 19 00-0466	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,846.02	134.70
			<i>For Heated Enclosure, Add</i>	693.23	
22 11 19 00-0467	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,833.92	157.15
			<i>For Heated Enclosure, Add</i>	835.80	
22 11 19 00-0468			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0454)</small>		
			Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0469	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	332.93	19.51
			<i>For Heated Enclosure, Add</i>	60.08	
22 11 19 00-0470	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	460.30	19.51
			<i>For Heated Enclosure, Add</i>	85.56	
22 11 19 00-0471	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	575.48	17.96
			<i>For Heated Enclosure, Add</i>	109.11	
22 11 19 00-0472	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	866.28	17.96
			<i>For Heated Enclosure, Add</i>	167.27	
22 11 19 00-0473	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,238.31	33.67
			<i>For Heated Enclosure, Add</i>	436.44	
22 11 19 00-0474	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,051.82	33.67
			<i>For Heated Enclosure, Add</i>	599.14	
22 11 19 00-0475	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,036.43	33.67
			<i>For Heated Enclosure, Add</i>	396.06	
22 11 19 00-0476	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,303.20	33.67
			<i>For Heated Enclosure, Add</i>	449.41	
22 11 19 00-0477	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,597.36	33.67
			<i>For Heated Enclosure, Add</i>	708.25	
22 11 19 00-0478			Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0454)</small>		
			Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,584.21	146.33
			<i>For Heated Enclosure, Add</i>	651.05	
22 11 19 00-0480	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,049.25	146.33
			<i>For Heated Enclosure, Add</i>	720.80	
22 11 19 00-0481	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,584.30	134.70
			<i>For Heated Enclosure, Add</i>	503.97	
22 11 19 00-0482	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,927.96	134.70
			<i>For Heated Enclosure, Add</i>	555.52	
22 11 19 00-0483	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	4,575.98	179.61
			<i>For Heated Enclosure, Add</i>	641.50	
22 11 19 00-0484	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,126.33	179.61
			<i>For Heated Enclosure, Add</i>	724.05	
22 11 19 00-0485	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,126.33	179.61
			<i>For Heated Enclosure, Add</i>	724.05	
22 11 19 00-0486	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,659.86	179.61
			<i>For Heated Enclosure, Add</i>	804.08	
22 11 19 00-0487	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	4,254.97	157.15
			<i>For Heated Enclosure, Add</i>	598.96	
22 11 19 00-0488	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	4,980.93	179.61
			<i>For Heated Enclosure, Add</i>	702.24	
22 11 19 00-0489	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	5,813.67	179.61
			<i>For Heated Enclosure, Add</i>	827.15	
22 11 19 00-0490	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	6,380.33	190.83
			<i>For Heated Enclosure, Add</i>	909.34	
22 11 19 00-0491	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	6,545.97	207.31
			<i>For Heated Enclosure, Add</i>	930.07	
22 11 19 00-0492	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	7,253.63	219.50
			<i>For Heated Enclosure, Add</i>	1,033.17	
22 11 19 00-0493	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	7,499.74	202.06
			<i>For Heated Enclosure, Add</i>	1,074.45	
22 11 19 00-0494	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	5,453.17	179.61
			<i>For Heated Enclosure, Add</i>	773.07	
22 11 19 00-0495	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	5,810.06	179.61
			<i>For Heated Enclosure, Add</i>	826.61	
22 11 19 00-0496	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	6,571.39	190.83
			<i>For Heated Enclosure, Add</i>	938.00	
22 11 19 00-0497	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,957.56	202.06
			<i>For Heated Enclosure, Add</i>	1,143.12	
22 11 19 00-0498	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	6,949.38	89.80
			<i>For Heated Enclosure, Add</i>	991.89	
22 11 19 00-0499	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	8,343.97	89.80
			<i>For Heated Enclosure, Add</i>	1,198.28	
22 11 19 00-0500	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	8,068.80	134.70
			<i>For Heated Enclosure, Add</i>	1,157.00	
22 11 19 00-0501	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	9,359.53	134.70
			<i>For Heated Enclosure, Add</i>	1,345.00	
22 11 19 00-0502	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	8,637.86	134.70
			<i>For Heated Enclosure, Add</i>	1,239.55	
22 11 19 00-0503	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	10,092.00	157.15
			<i>For Heated Enclosure, Add</i>	1,452.06	
22 11 19 00-0504	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	10,129.42	134.70
			<i>For Heated Enclosure, Add</i>	1,452.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0505	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	12,011.36 1,728.74	134.70
22 11 19 00-0506 Faucets (Hose Bibbs) (22 11 19)					
22 11 19 00-0507 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0506)					
22 11 19 00-0508	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	39.58	8.12
22 11 19 00-0509	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	46.38	8.94
22 11 19 00-0510	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	13.89	6.10
22 11 19 00-0511 Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0506)					
22 11 19 00-0512	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	96.55	24.88
22 11 19 00-0513 Antisiphon Freezeless Wall Faucet (22 11 19 00-0506)					
22 11 19 00-0514	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	96.46	20.33
22 11 19 00-0515	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	104.58	22.52
22 11 19 00-0516	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	110.66	23.82
22 11 19 00-0517	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	116.73	25.52
22 11 19 00-0518	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	122.89	27.07
22 11 19 00-0519 Keyed, Recessed Valve Boxes (22 11 19)					
22 11 19 00-0520	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	191.17	24.31
22 11 19 00-0521	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	211.53	24.31
22 11 19 00-0522	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	242.08	24.31
22 11 19 00-0523	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	237.91	32.42
22 11 19 00-0524	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	268.46	32.42
22 11 19 00-0525	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	277.62	32.42
22 11 19 00-0526	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	223.75	24.31
22 11 19 00-0527	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	268.55	24.31
22 11 19 00-0528	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	308.26	24.31
22 11 19 00-0529	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	294.93	32.42
22 11 19 00-0530	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	334.64	32.42
22 11 19 00-0531	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	349.92	32.42
22 11 23 Domestic Water Pumps (22 11)					
22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)					
Note: Includes motor starter and controls.					
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)					
22 11 23 13-0002	EA		1 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,274.28	239.48
22 11 23 13-0003	EA		1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,536.20	321.79
22 11 23 13-0004	EA		2 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,826.17	404.12
22 11 23 13-0005	EA		3 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,102.11	486.43
22 11 23 13-0006	EA		5 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,686.70	568.76
22 11 23 13-0007	EA		7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	6,341.42	651.07
22 11 23 13-0008	EA		10 HP Simplex Domestic Water Packaged Booster Pump And Tank	6,827.80	733.40
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)					
22 11 23 13-0010	EA		100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	11,919.68	968.68
22 11 23 13-0011	EA		200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	14,181.71	1,029.23
22 11 23 13-0012	EA		300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	16,452.67	1,089.76
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)					
22 11 23 13-0014	EA		200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	15,377.68	1,029.23
22 11 23 13-0015	EA		300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	18,901.96	1,089.76
22 11 23 13-0016	EA		500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	23,310.96	1,210.86
22 11 23 13-0017	EA		750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	29,274.90	1,331.94
22 11 23 13-0018	EA		1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,238.84	1,453.02
22 11 23 13-0019	EA		1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	40,978.51	1,634.65
22 11 23 13-0020	EA		2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	46,718.19	1,816.28
22 11 23 13-0021	EA		3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	52,457.86	1,997.91
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	58,348.88	2,240.07
22 11 23 39 In-Line Centrifugal Domestic Water Booster Pumps (22 11 23)					
22 11 23 39-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)					
Note: ODP motor.					
22 11 23 39-0002	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	587.09	134.70
22 11 23 39-0003	EA		1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	600.33	134.70
22 11 23 39-0004	EA		1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	626.01	137.32
22 11 23 39-0005	EA		1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	684.52	142.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 39-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,158.00	148.25
22 11 23 39-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,228.95	148.25
22 11 23 39-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,799.50	163.23
22 11 23 39-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	1,882.33	179.33
22 11 23 39-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,266.30	197.30
22 11 23 39-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,326.21	217.14
22 11 23 39-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,544.59	238.48
22 11 23 39-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,595.88	262.45
22 11 23 39-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,125.07	275.17
22 11 23 39-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)		
Note: ODP motor.		
22 11 23 39-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	604.45	134.70
22 11 23 39-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	951.73	134.70
22 11 23 39-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	957.14	137.32
22 11 23 39-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	974.28	140.31
22 11 23 39-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	979.51	142.93
22 11 23 39-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	999.70	148.25
22 11 23 39-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,209.87	163.23
22 11 23 39-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,552.60	197.30
22 11 23 39-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,641.45	217.14
22 11 23 39-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	1,906.68	238.48
22 11 23 39-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,533.57	262.45
22 11 23 39-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	2,942.49	275.17
22 11 23 39-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,690.79	289.02
22 11 23 39-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,897.11	317.70
22 11 23 39-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,182.89	336.94
22 11 23 39-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	3,989.27	374.38
22 11 23 39-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,264.66	449.33
22 11 23 39-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,408.94	524.36
22 12 Facility Potable-Water Storage Tanks (22 10)		
22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)		
22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	19,872.91	6,895.77
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	21,421.94	6,895.77
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	36,429.31	10,641.64
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	47,089.38	13,791.53
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	22,167.77	6,895.77
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	27,560.69	6,895.77
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	41,686.67	10,641.64
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	57,250.35	13,791.53
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)		
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,968.98	299.34
22 12 23 13-0003 EA 119 Gallon Jacketed, Insulated, 150 PSI, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,179.91	374.18
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,603.15	411.59
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,092.85	449.01
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	6,746.55	486.43
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,807.58	523.85
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	9,909.92	561.27
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	14,017.80	598.68
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	15,233.52	636.10
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	18,181.78	673.52
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,669.01	299.34
22 12 23 13-0014 EA 120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,682.79	374.18
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,126.08	411.59
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,131.43	449.01
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,325.32	449.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	5,445.82	486.43
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	5,927.50	523.85
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	5,582.31	523.85
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,335.46	523.85
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	6,980.70	561.27
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,470.30	598.68
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,016.80	636.10
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	13,848.76	673.52

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank	412.60	168.38
<i>For Saddle Assembly, Add</i>	453.30	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank	483.01	196.45
<i>For Saddle Assembly, Add</i>	453.30	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank	569.93	224.51
<i>For Saddle Assembly, Add</i>	509.40	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank	686.55	252.57
<i>For Saddle Assembly, Add</i>	728.30	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank	815.27	280.64
<i>For Two Tie Down Bands, Add</i>	266.25	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,054.01	377.26
<i>For Two Tie Down Bands, Add</i>	281.65	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,530.84	440.13
<i>For Three Tie Down Bands, Add</i>	471.98	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,161.17	503.02
<i>For Three Tie Down Bands, Add</i>	475.28	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,675.11	565.89
<i>For Four Tie Down Bands, Add</i>	642.50	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,121.35	628.77
<i>For Four Tie Down Bands, Add</i>	866.90	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,387.18	691.65
<i>For Four Tie Down Bands, Add</i>	1,113.30	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,065.02	754.52
<i>For Four Tie Down Bands, Add</i>	1,196.90	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,247.36	1,006.03
<i>For Four Tie Down Bands, Add</i>	1,342.10	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,269.06	1,006.03
<i>For Five Tie Down Bands, Add</i>	2,079.12	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank	465.43	224.51
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank	549.05	238.54
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank	599.65	252.57
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank	717.37	280.64
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank	824.10	336.76
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank	971.54	392.89
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,335.07	503.02
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,720.55	628.77
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,279.82	754.52
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,942.49	880.27
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,224.46	1,006.03
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,636.23	1,131.78
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,380.30	1,257.53
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,029.77	1,383.28
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,068.64	1,509.04
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,088.82	1,634.79
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,153.98	1,760.55
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,381.32	2,012.05

22 13 Facility Sanitary Sewerage (22 10)

22 13 16 Sanitary Waste And Vent Piping (22 13)

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	22.28	4.71
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	31.74	7.11
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.69	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.16	9.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	48.35	11.32
			<i>For Work In Restricted Working Space, Add</i>	6.37	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	56.61	12.34
			<i>For Work In Restricted Working Space, Add</i>	7.07	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	89.09	17.47
			<i>For Work In Restricted Working Space, Add</i>	9.89	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	129.39	17.47
			<i>For Work In Restricted Working Space, Add</i>	11.20	
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.73	4.49
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.97	4.78
			<i>For Work In Restricted Working Space, Add</i>	4.04	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.82	6.96
			<i>For Work In Restricted Working Space, Add</i>	5.19	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.63	9.06
			<i>For Work In Restricted Working Space, Add</i>	6.39	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.46	11.10
			<i>For Work In Restricted Working Space, Add</i>	10.60	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	64.89	12.12
			<i>For Work In Restricted Working Space, Add</i>	11.33	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	105.78	17.32
			<i>For Work In Restricted Working Space, Add</i>	18.04	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	118.72	19.68
			<i>For Work In Restricted Working Space, Add</i>	13.14	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.74 3.62 0.36 2.14	4.71
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.03 5.18 0.53 3.21	7.11
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.65 6.74 0.68 4.08	9.06
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.57 9.51 0.85 5.08	11.32
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.04 11.58 0.92 5.54	12.34



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.09 18.01 1.31 7.86	17.47
	22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.87 29.98 1.47 8.85	19.68
	22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.01 43.55 1.97 11.79	26.24
	22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.74 63.66 2.36 14.15	31.47
	22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
	22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
	22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.13 11.88 1.61 9.65	21.48
	22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.33 24.11 2.02 12.14	27.02
	22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.66 32.14 2.69 16.15	35.92
	22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.37 54.11 3.59 21.53	47.88
	22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	436.93 120.68 4.61 27.64	61.47
	22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	594.98 168.55 5.67 34.02	75.63
	22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	909.10 262.79 7.91 47.48	105.55
	22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,672.53 508.26 11.02 66.11	146.98
	22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
	22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.17 8.75 1.61 9.65	21.48
	22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.29 18.84 2.02 12.14	27.02
	22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.74 26.22 2.69 16.15	35.92
	22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.51 45.33 3.05 18.30	40.71
	22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.60 55.24 3.59 21.53	47.88
	22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	372.10 97.99 4.61 27.64	61.47
	22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	539.66 149.19 5.67 34.02	75.63

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep	888.47	105.55
			<i>For Extra Heavy Fittings, Add</i>	255.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.91	
			<i>For Work In Restricted Working Space, Add</i>	47.48	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend	52.07	21.40
			<i>For Extra Heavy Fittings, Add</i>	6.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend	76.03	24.09
			<i>For Extra Heavy Fittings, Add</i>	13.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend	107.98	32.10
			<i>For Extra Heavy Fittings, Add</i>	20.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	14.44	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend	134.86	36.35
			<i>For Extra Heavy Fittings, Add</i>	28.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend	162.16	43.53
			<i>For Extra Heavy Fittings, Add</i>	33.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	19.59	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend	325.18	56.61
			<i>For Extra Heavy Fittings, Add</i>	84.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.24	
			<i>For Work In Restricted Working Space, Add</i>	25.46	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend	474.82	68.70
			<i>For Extra Heavy Fittings, Add</i>	130.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	30.89	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend	622.96	81.08
			<i>For Extra Heavy Fittings, Add</i>	175.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	36.47	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend	1,566.45	127.88
			<i>For Extra Heavy Fittings, Add</i>	481.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0059			Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend	48.11	21.48
			<i>For Extra Heavy Fittings, Add</i>	5.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend	73.33	27.02
			<i>For Extra Heavy Fittings, Add</i>	11.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend	103.72	35.92
			<i>For Extra Heavy Fittings, Add</i>	17.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend	131.08	45.49
			<i>For Extra Heavy Fittings, Add</i>	22.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend	150.98	50.72
			<i>For Extra Heavy Fittings, Add</i>	26.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.80	
			<i>For Work In Restricted Working Space, Add</i>	22.82	
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend	289.08	67.81
			<i>For Extra Heavy Fittings, Add</i>	65.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	30.50	
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend	400.72	83.66
			<i>For Extra Heavy Fittings, Add</i>	96.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.27	
			<i>For Work In Restricted Working Space, Add</i>	37.64	
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend	638.93	108.50
			<i>For Extra Heavy Fittings, Add</i>	166.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.13	
			<i>For Work In Restricted Working Space, Add</i>	48.79	
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	1,198.73	127.88
			<i>For Extra Heavy Fittings, Add</i>	352.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0069			Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye	87.29	47.97
For Extra Heavy Fittings, Add	5.37	
For Above Ground Cast Iron Pipe Installation, Add	3.60	
For Work In Restricted Working Space, Add	21.59	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye	107.49	52.54
For Extra Heavy Fittings, Add	10.05	
For Above Ground Cast Iron Pipe Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye	141.40	68.85
For Extra Heavy Fittings, Add	13.37	
For Above Ground Cast Iron Pipe Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.96	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye	181.06	78.29
For Extra Heavy Fittings, Add	22.28	
For Above Ground Cast Iron Pipe Installation, Add	5.87	
For Work In Restricted Working Space, Add	35.22	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye	225.41	92.80
For Extra Heavy Fittings, Add	30.19	
For Above Ground Cast Iron Pipe Installation, Add	6.96	
For Work In Restricted Working Space, Add	41.75	
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye	397.18	123.83
For Extra Heavy Fittings, Add	74.03	
For Above Ground Cast Iron Pipe Installation, Add	9.28	
For Work In Restricted Working Space, Add	55.70	
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye	546.33	140.49
For Extra Heavy Fittings, Add	117.50	
For Above Ground Cast Iron Pipe Installation, Add	10.53	
For Work In Restricted Working Space, Add	63.18	
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye	796.47	171.01
For Extra Heavy Fittings, Add	189.03	
For Above Ground Cast Iron Pipe Installation, Add	12.82	
For Work In Restricted Working Space, Add	76.91	
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye	1,212.47	191.87
For Extra Heavy Fittings, Add	323.69	
For Above Ground Cast Iron Pipe Installation, Add	14.38	
For Work In Restricted Working Space, Add	86.30	
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye	130.31	50.14
For Extra Heavy Fittings, Add	19.29	
For Above Ground Cast Iron Pipe Installation, Add	3.76	
For Work In Restricted Working Space, Add	22.56	
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye	158.90	61.97
For Extra Heavy Fittings, Add	23.09	
For Above Ground Cast Iron Pipe Installation, Add	4.65	
For Work In Restricted Working Space, Add	27.88	
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye	175.61	63.54
For Extra Heavy Fittings, Add	28.11	
For Above Ground Cast Iron Pipe Installation, Add	4.77	
For Work In Restricted Working Space, Add	28.59	
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye	258.44	83.15
For Extra Heavy Fittings, Add	46.84	
For Above Ground Cast Iron Pipe Installation, Add	6.23	
For Work In Restricted Working Space, Add	37.38	
22 13 16 00-0084 EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye	264.94	84.67
For Extra Heavy Fittings, Add	48.29	
For Above Ground Cast Iron Pipe Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.09	
22 13 16 00-0085 EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye	277.87	90.33
For Extra Heavy Fittings, Add	49.85	
For Above Ground Cast Iron Pipe Installation, Add	6.77	
For Work In Restricted Working Space, Add	40.63	
22 13 16 00-0086 EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye	397.50	99.59
For Extra Heavy Fittings, Add	86.88	
For Above Ground Cast Iron Pipe Installation, Add	7.46	
For Work In Restricted Working Space, Add	44.78	
22 13 16 00-0087 EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye	414.70	101.50
For Extra Heavy Fittings, Add	91.90	
For Above Ground Cast Iron Pipe Installation, Add	7.61	
For Work In Restricted Working Space, Add	45.64	
22 13 16 00-0088 EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye	425.44	106.29
For Extra Heavy Fittings, Add	93.12	
For Above Ground Cast Iron Pipe Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.81	
22 13 16 00-0089 EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye	500.40	118.24
For Extra Heavy Fittings, Add	113.09	
For Above Ground Cast Iron Pipe Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.19	
22 13 16 00-0090 EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye	606.15	110.79
For Extra Heavy Fittings, Add	154.01	
For Above Ground Cast Iron Pipe Installation, Add	8.31	
For Work In Restricted Working Space, Add	49.83	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	630.69	115.66
			<i>For Extra Heavy Fittings, Add</i>	160.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.67	
			<i>For Work In Restricted Working Space, Add</i>	52.03	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	690.37	127.88
			<i>For Extra Heavy Fittings, Add</i>	174.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	902.43	135.63
			<i>For Extra Heavy Fittings, Add</i>	244.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	927.60	135.63
			<i>For Extra Heavy Fittings, Add</i>	253.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	967.25	146.98
			<i>For Extra Heavy Fittings, Add</i>	261.41	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.02	
			<i>For Work In Restricted Working Space, Add</i>	66.11	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,130.13	154.27
			<i>For Extra Heavy Fittings, Add</i>	314.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.56	
			<i>For Work In Restricted Working Space, Add</i>	69.38	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,364.87	158.85
			<i>For Extra Heavy Fittings, Add</i>	394.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.91	
			<i>For Work In Restricted Working Space, Add</i>	71.45	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,221.79	149.78
			<i>For Extra Heavy Fittings, Add</i>	699.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.23	
			<i>For Work In Restricted Working Space, Add</i>	67.37	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,320.59	162.09
			<i>For Extra Heavy Fittings, Add</i>	727.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.15	
			<i>For Work In Restricted Working Space, Add</i>	72.92	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,369.28	169.09
			<i>For Extra Heavy Fittings, Add</i>	740.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.68	
			<i>For Work In Restricted Working Space, Add</i>	76.06	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,425.01	174.84
			<i>For Extra Heavy Fittings, Add</i>	757.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	78.63	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,488.09	185.01
			<i>For Extra Heavy Fittings, Add</i>	773.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.87	
			<i>For Work In Restricted Working Space, Add</i>	83.21	
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	93.85	47.97
			<i>For Extra Heavy Fittings, Add</i>	7.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	111.54	52.54
			<i>For Extra Heavy Fittings, Add</i>	11.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	148.45	68.85
			<i>For Extra Heavy Fittings, Add</i>	15.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	205.09	82.13
			<i>For Extra Heavy Fittings, Add</i>	28.70	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.16	
			<i>For Work In Restricted Working Space, Add</i>	36.93	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	256.51	101.87
			<i>For Extra Heavy Fittings, Add</i>	36.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.64	
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	452.60	133.35
			<i>For Extra Heavy Fittings, Add</i>	88.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.99	
			<i>For Work In Restricted Working Space, Add</i>	59.97	
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	647.65	174.84
			<i>For Extra Heavy Fittings, Add</i>	134.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	78.63	
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	865.32	224.75
			<i>For Extra Heavy Fittings, Add</i>	184.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.85	
			<i>For Work In Restricted Working Space, Add</i>	101.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	99.76	50.14
For Extra Heavy Fittings, Add	8.60	
For Above Ground Cast Iron Pipe Installation, Add	3.76	
For Work In Restricted Working Space, Add	22.56	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	138.07	61.97
For Extra Heavy Fittings, Add	15.80	
For Above Ground Cast Iron Pipe Installation, Add	4.65	
For Work In Restricted Working Space, Add	27.88	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	148.11	63.54
For Extra Heavy Fittings, Add	18.48	
For Above Ground Cast Iron Pipe Installation, Add	4.77	
For Work In Restricted Working Space, Add	28.59	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	219.00	83.15
For Extra Heavy Fittings, Add	33.04	
For Above Ground Cast Iron Pipe Installation, Add	6.23	
For Work In Restricted Working Space, Add	37.38	
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	227.50	84.67
For Extra Heavy Fittings, Add	35.19	
For Above Ground Cast Iron Pipe Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.09	
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	241.35	90.33
For Extra Heavy Fittings, Add	37.07	
For Above Ground Cast Iron Pipe Installation, Add	6.77	
For Work In Restricted Working Space, Add	40.63	
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	324.25	99.59
For Extra Heavy Fittings, Add	61.24	
For Above Ground Cast Iron Pipe Installation, Add	7.46	
For Work In Restricted Working Space, Add	44.78	
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	334.35	106.29
For Extra Heavy Fittings, Add	61.24	
For Above Ground Cast Iron Pipe Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.81	
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	417.51	118.24
For Extra Heavy Fittings, Add	84.07	
For Above Ground Cast Iron Pipe Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.19	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye.....	146.56	57.39
For Extra Heavy Fittings, Add	21.19	
For Above Ground Cast Iron Pipe Installation, Add	4.30	
For Work In Restricted Working Space, Add	25.81	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye.....	210.10	72.36
For Extra Heavy Fittings, Add	35.58	
For Above Ground Cast Iron Pipe Installation, Add	5.42	
For Work In Restricted Working Space, Add	32.54	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye.....	283.20	91.52
For Extra Heavy Fittings, Add	51.08	
For Above Ground Cast Iron Pipe Installation, Add	6.86	
For Work In Restricted Working Space, Add	41.18	
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye.....	537.50	142.57
For Extra Heavy Fittings, Add	113.31	
For Above Ground Cast Iron Pipe Installation, Add	10.69	
For Work In Restricted Working Space, Add	64.13	
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye.....	1,038.93	167.40
For Extra Heavy Fittings, Add	275.80	
For Above Ground Cast Iron Pipe Installation, Add	12.55	
For Work In Restricted Working Space, Add	75.28	
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye.....	1,366.41	187.30
For Extra Heavy Fittings, Add	379.96	
For Above Ground Cast Iron Pipe Installation, Add	14.04	
For Work In Restricted Working Space, Add	84.24	
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye.....	976.06	224.75
For Extra Heavy Fittings, Add	223.68	
For Above Ground Cast Iron Pipe Installation, Add	16.85	
For Work In Restricted Working Space, Add	101.09	
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye.....	2,632.36	235.88
For Extra Heavy Fittings, Add	797.49	
For Above Ground Cast Iron Pipe Installation, Add	17.69	
For Work In Restricted Working Space, Add	106.15	
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	137.51	67.88
For Extra Heavy Fittings, Add	12.50	
For Above Ground Cast Iron Pipe Installation, Add	5.09	
For Work In Restricted Working Space, Add	30.54	
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	159.53	77.98
For Extra Heavy Fittings, Add	14.91	
For Above Ground Cast Iron Pipe Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.08	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	172.05	81.79
			<i>For Extra Heavy Fittings, Add</i>	17.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.13	
			<i>For Work In Restricted Working Space, Add</i>	36.81	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	221.92	98.89
			<i>For Extra Heavy Fittings, Add</i>	25.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.41	
			<i>For Work In Restricted Working Space, Add</i>	44.48	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	234.58	102.66
			<i>For Extra Heavy Fittings, Add</i>	28.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.70	
			<i>For Work In Restricted Working Space, Add</i>	46.17	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	268.03	111.96
			<i>For Extra Heavy Fittings, Add</i>	35.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.39	
			<i>For Work In Restricted Working Space, Add</i>	50.36	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	415.78	128.99
			<i>For Extra Heavy Fittings, Add</i>	77.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.67	
			<i>For Work In Restricted Working Space, Add</i>	58.00	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	456.55	152.65
			<i>For Extra Heavy Fittings, Add</i>	79.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	68.67	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	443.12	137.98
			<i>For Extra Heavy Fittings, Add</i>	82.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.35	
			<i>For Work In Restricted Working Space, Add</i>	62.07	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	516.80	162.09
			<i>For Extra Heavy Fittings, Add</i>	95.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.15	
			<i>For Work In Restricted Working Space, Add</i>	72.92	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	629.91	176.68
			<i>For Extra Heavy Fittings, Add</i>	127.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.25	
			<i>For Work In Restricted Working Space, Add</i>	79.47	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	643.49	180.74
			<i>For Extra Heavy Fittings, Add</i>	130.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.55	
			<i>For Work In Restricted Working Space, Add</i>	81.30	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	812.21	196.66
			<i>For Extra Heavy Fittings, Add</i>	181.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.74	
			<i>For Work In Restricted Working Space, Add</i>	88.45	
22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	124.86	57.39
			<i>For Extra Heavy Fittings, Add</i>	13.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.81	
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	168.02	76.78
			<i>For Extra Heavy Fittings, Add</i>	18.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	34.54	
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	218.35	96.01
			<i>For Extra Heavy Fittings, Add</i>	26.05	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	43.18	
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	469.66	159.34
			<i>For Extra Heavy Fittings, Add</i>	80.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.95	
			<i>For Work In Restricted Working Space, Add</i>	71.67	
22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	164.59	68.85
			<i>For Extra Heavy Fittings, Add</i>	21.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	194.29	77.98
			<i>For Extra Heavy Fittings, Add</i>	27.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
			<i>For Work In Restricted Working Space, Add</i>	35.08	
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	217.89	86.81
			<i>For Extra Heavy Fittings, Add</i>	30.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.03	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	424.56	118.84
			<i>For Extra Heavy Fittings, Add</i>	86.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.91	
			<i>For Work In Restricted Working Space, Add</i>	53.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)						
22 13 16 00-0156	EA			2" Bell And Spigot Cast Iron Sanitary Tee 102.29		48.05
				<i>For Extra Heavy Fittings, Add</i> 10.59		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.60		
				<i>For Work In Restricted Working Space, Add</i> 21.61		
22 13 16 00-0157	EA			3" Bell And Spigot Cast Iron Sanitary Tee 115.74		52.54
				<i>For Extra Heavy Fittings, Add</i> 12.94		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.94		
				<i>For Work In Restricted Working Space, Add</i> 23.63		
22 13 16 00-0158	EA			4" Bell And Spigot Cast Iron Sanitary Tee 180.66		64.35
				<i>For Extra Heavy Fittings, Add</i> 29.44		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 4.83		
				<i>For Work In Restricted Working Space, Add</i> 28.96		
22 13 16 00-0159	EA			5" Bell And Spigot Cast Iron Sanitary Tee 258.38		72.41
				<i>For Extra Heavy Fittings, Add</i> 52.42		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.43		
				<i>For Work In Restricted Working Space, Add</i> 32.59		
22 13 16 00-0160	EA			6" Bell And Spigot Cast Iron Sanitary Tee 309.93		86.85
				<i>For Extra Heavy Fittings, Add</i> 62.90		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 6.51		
				<i>For Work In Restricted Working Space, Add</i> 39.07		
22 13 16 00-0161	EA			8" Bell And Spigot Cast Iron Sanitary Tee 642.83		113.15
				<i>For Extra Heavy Fittings, Add</i> 165.61		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 8.48		
				<i>For Work In Restricted Working Space, Add</i> 50.90		
22 13 16 00-0162	EA			10" Bell And Spigot Cast Iron Sanitary Tee 956.35		137.98
				<i>For Extra Heavy Fittings, Add</i> 262.30		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 10.35		
				<i>For Work In Restricted Working Space, Add</i> 62.07		
22 13 16 00-0163	EA			12" Bell And Spigot Cast Iron Sanitary Tee 1,413.74		162.09
				<i>For Extra Heavy Fittings, Add</i> 409.74		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 12.15		
				<i>For Work In Restricted Working Space, Add</i> 72.92		
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)						
22 13 16 00-0165	EA			3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 133.18		50.14
				<i>For Extra Heavy Fittings, Add</i> 20.30		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.76		
				<i>For Work In Restricted Working Space, Add</i> 22.56		
22 13 16 00-0166	EA			4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 157.51		58.74
				<i>For Extra Heavy Fittings, Add</i> 24.31		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 4.40		
				<i>For Work In Restricted Working Space, Add</i> 26.42		
22 13 16 00-0167	EA			4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee 164.20		58.74
				<i>For Extra Heavy Fittings, Add</i> 26.65		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 4.40		
				<i>For Work In Restricted Working Space, Add</i> 26.42		
22 13 16 00-0168	EA			6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 249.52		83.15
				<i>For Extra Heavy Fittings, Add</i> 43.72		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 6.23		
				<i>For Work In Restricted Working Space, Add</i> 37.38		
22 13 16 00-0169	EA			6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee 259.20		84.67
				<i>For Extra Heavy Fittings, Add</i> 46.28		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 6.35		
				<i>For Work In Restricted Working Space, Add</i> 38.09		
22 13 16 00-0170	EA			6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee 280.74		90.33
				<i>For Extra Heavy Fittings, Add</i> 50.86		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 6.77		
				<i>For Work In Restricted Working Space, Add</i> 40.63		
22 13 16 00-0171	EA			8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee 463.36		106.29
				<i>For Extra Heavy Fittings, Add</i> 106.39		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 7.97		
				<i>For Work In Restricted Working Space, Add</i> 47.81		
22 13 16 00-0172	EA			8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee 577.19		118.24
				<i>For Extra Heavy Fittings, Add</i> 139.96		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 8.87		
				<i>For Work In Restricted Working Space, Add</i> 53.19		
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)						
22 13 16 00-0174	EA			2" Bell And Spigot Cast Iron Vent Tee 89.64		47.97
				<i>For Extra Heavy Fittings, Add</i> 6.19		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.60		
				<i>For Work In Restricted Working Space, Add</i> 21.59		
22 13 16 00-0175	EA			3" Bell And Spigot Cast Iron Vent Tee 109.56		52.54
				<i>For Extra Heavy Fittings, Add</i> 10.77		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.94		
				<i>For Work In Restricted Working Space, Add</i> 23.63		
22 13 16 00-0176	EA			4" Bell And Spigot Cast Iron Vent Tee 144.91		68.85
				<i>For Extra Heavy Fittings, Add</i> 14.60		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.16		
				<i>For Work In Restricted Working Space, Add</i> 30.96		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee.....	185.33	82.13
			<i>For Extra Heavy Fittings, Add</i>	21.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.16	
			<i>For Work In Restricted Working Space, Add</i>	36.93	
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee.....	232.87	101.87
			<i>For Extra Heavy Fittings, Add</i>	28.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.64	
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee.....	386.45	133.35
			<i>For Extra Heavy Fittings, Add</i>	65.30	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.99	
			<i>For Work In Restricted Working Space, Add</i>	59.97	
22 13 16 00-0180			Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	91.72	47.97
			<i>For Extra Heavy Fittings, Add</i>	6.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	101.12	52.54
			<i>For Extra Heavy Fittings, Add</i>	7.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	130.73	68.85
			<i>For Extra Heavy Fittings, Add</i>	9.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0184			Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	93.02	47.97
			<i>For Extra Heavy Fittings, Add</i>	7.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	103.60	52.54
			<i>For Extra Heavy Fittings, Add</i>	8.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	136.98	68.85
			<i>For Extra Heavy Fittings, Add</i>	11.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0188			Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer.....	51.63	27.02
			<i>For Extra Heavy Fittings, Add</i>	3.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer.....	65.15	35.62
			<i>For Extra Heavy Fittings, Add</i>	4.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	16.04	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer.....	69.04	35.92
			<i>For Extra Heavy Fittings, Add</i>	5.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer.....	88.04	43.97
			<i>For Extra Heavy Fittings, Add</i>	7.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.30	
			<i>For Work In Restricted Working Space, Add</i>	19.79	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer.....	91.65	44.55
			<i>For Extra Heavy Fittings, Add</i>	8.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	20.05	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer.....	94.44	45.49
			<i>For Extra Heavy Fittings, Add</i>	9.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer.....	118.74	46.88
			<i>For Extra Heavy Fittings, Add</i>	16.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer.....	135.06	57.42
			<i>For Extra Heavy Fittings, Add</i>	17.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.83	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer.....	138.61	58.89
			<i>For Extra Heavy Fittings, Add</i>	17.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer.....	143.35	61.47
			<i>For Extra Heavy Fittings, Add</i>	17.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.61	
			<i>For Work In Restricted Working Space, Add</i>	27.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0199	EA			10" x 4" Bell And Spigot Cast Iron Reducer.....	176.75	68.99
				<i>For Extra Heavy Fittings, Add</i>	25.65	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.17	
				<i>For Work In Restricted Working Space, Add</i>	31.04	
22 13 16 00-0200	EA			10" x 6" Bell And Spigot Cast Iron Reducer.....	186.27	72.46
				<i>For Extra Heavy Fittings, Add</i>	27.16	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.43	
				<i>For Work In Restricted Working Space, Add</i>	32.60	
22 13 16 00-0201	EA			10" x 8" Bell And Spigot Cast Iron Reducer.....	198.00	75.63
				<i>For Extra Heavy Fittings, Add</i>	29.61	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.67	
				<i>For Work In Restricted Working Space, Add</i>	34.02	
22 13 16 00-0202	EA			12" x 4" Bell And Spigot Cast Iron Reducer.....	242.50	81.97
				<i>For Extra Heavy Fittings, Add</i>	41.88	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.14	
				<i>For Work In Restricted Working Space, Add</i>	36.86	
22 13 16 00-0203	EA			12" x 6" Bell And Spigot Cast Iron Reducer.....	271.79	95.90
				<i>For Extra Heavy Fittings, Add</i>	44.79	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.19	
				<i>For Work In Restricted Working Space, Add</i>	43.15	
22 13 16 00-0204	EA			12" x 8" Bell And Spigot Cast Iron Reducer.....	295.56	109.24
				<i>For Extra Heavy Fittings, Add</i>	46.12	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.19	
				<i>For Work In Restricted Working Space, Add</i>	49.14	
22 13 16 00-0205	EA			12" x 10" Bell And Spigot Cast Iron Reducer.....	325.59	125.83
				<i>For Extra Heavy Fittings, Add</i>	47.93	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	56.59	
22 13 16 00-0206	EA			15" x 6" Bell And Spigot Cast Iron Reducer.....	414.20	125.83
				<i>For Extra Heavy Fittings, Add</i>	78.95	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	56.59	
22 13 16 00-0207	EA			15" x 8" Bell And Spigot Cast Iron Reducer.....	441.24	135.63
				<i>For Extra Heavy Fittings, Add</i>	83.27	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
				<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0208	EA			15" x 10" Bell And Spigot Cast Iron Reducer.....	459.98	142.99
				<i>For Extra Heavy Fittings, Add</i>	85.94	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.72	
				<i>For Work In Restricted Working Space, Add</i>	64.33	
22 13 16 00-0209	EA			15" x 12" Bell And Spigot Cast Iron Reducer.....	485.25	152.65
				<i>For Extra Heavy Fittings, Add</i>	89.72	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
				<i>For Work In Restricted Working Space, Add</i>	68.67	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)						
22 13 16 00-0211	EA			2" Bell And Spigot Cast Iron P-Trap.....	51.30	21.48
				<i>For Extra Heavy Fittings, Add</i>	6.69	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0212	EA			3" Bell And Spigot Cast Iron P-Trap.....	68.27	27.02
				<i>For Extra Heavy Fittings, Add</i>	9.74	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0213	EA			4" Bell And Spigot Cast Iron P-Trap.....	92.81	35.92
				<i>For Extra Heavy Fittings, Add</i>	13.64	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0214	EA			5" Bell And Spigot Cast Iron P-Trap.....	144.55	40.71
				<i>For Extra Heavy Fittings, Add</i>	29.24	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.05	
				<i>For Work In Restricted Working Space, Add</i>	18.30	
22 13 16 00-0215	EA			6" Bell And Spigot Cast Iron P-Trap.....	192.10	47.88
				<i>For Extra Heavy Fittings, Add</i>	42.11	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.59	
				<i>For Work In Restricted Working Space, Add</i>	21.53	
22 13 16 00-0216	EA			8" Bell And Spigot Cast Iron P-Trap.....	413.33	61.47
				<i>For Extra Heavy Fittings, Add</i>	112.42	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.61	
				<i>For Work In Restricted Working Space, Add</i>	27.64	
22 13 16 00-0217	EA			10" Bell And Spigot Cast Iron P-Trap.....	460.40	75.63
				<i>For Extra Heavy Fittings, Add</i>	121.45	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.67	
				<i>For Work In Restricted Working Space, Add</i>	34.02	
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)						
22 13 16 00-0219	EA			2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	58.56	21.48
				<i>For Extra Heavy Fittings, Add</i>	9.23	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap	82.54	27.02
For Extra Heavy Fittings, Add	14.73	
For Above Ground Cast Iron Pipe Installation, Add	2.02	
For Work In Restricted Working Space, Add	12.14	
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap	119.35	35.92
For Extra Heavy Fittings, Add	22.93	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap	193.69	45.49
For Extra Heavy Fittings, Add	43.93	
For Above Ground Cast Iron Pipe Installation, Add	3.41	
For Work In Restricted Working Space, Add	20.45	
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap	206.28	50.72
For Extra Heavy Fittings, Add	45.57	
For Above Ground Cast Iron Pipe Installation, Add	3.80	
For Work In Restricted Working Space, Add	22.82	
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	135.89	51.86
For Above Ground Cast Iron Pipe Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	180.93	68.17
For Above Ground Cast Iron Pipe Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.96	
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	243.22	79.01
For Above Ground Cast Iron Pipe Installation, Add	5.97	
For Work In Restricted Working Space, Add	35.84	
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	468.61	89.54
For Above Ground Cast Iron Pipe Installation, Add	6.77	
For Work In Restricted Working Space, Add	40.63	
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	1,482.08	105.11
For Above Ground Cast Iron Pipe Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.81	
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	1,605.62	117.28
For Above Ground Cast Iron Pipe Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.19	
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	175.17	71.62
For Above Ground Cast Iron Pipe Installation, Add	5.42	
For Work In Restricted Working Space, Add	32.54	
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	237.34	90.40
For Above Ground Cast Iron Pipe Installation, Add	6.86	
For Work In Restricted Working Space, Add	41.18	
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	525.63	110.65
For Above Ground Cast Iron Pipe Installation, Add	8.39	
For Work In Restricted Working Space, Add	50.36	
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	611.23	133.93
For Above Ground Cast Iron Pipe Installation, Add	10.15	
For Work In Restricted Working Space, Add	60.89	
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,600.38	127.45
For Above Ground Cast Iron Pipe Installation, Add	9.67	
For Work In Restricted Working Space, Add	58.00	
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,759.30	151.33
For Above Ground Cast Iron Pipe Installation, Add	11.45	
For Work In Restricted Working Space, Add	68.67	
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	2,332.50	174.62
For Above Ground Cast Iron Pipe Installation, Add	13.25	
For Work In Restricted Working Space, Add	79.47	
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	3,216.97	201.90
For Above Ground Cast Iron Pipe Installation, Add	15.29	
For Work In Restricted Working Space, Add	91.76	
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	6,216.99	233.52
For Above Ground Cast Iron Pipe Installation, Add	17.70	
For Work In Restricted Working Space, Add	106.19	
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting	100.35	
For Above Ground Cast Iron Pipe Installation, Add	1.61	
For Work In Restricted Working Space, Add	9.63	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting	137.03	
For Above Ground Cast Iron Pipe Installation, Add	1.80	
For Work In Restricted Working Space, Add	10.82	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting	159.36	
For Above Ground Cast Iron Pipe Installation, Add	2.42	
For Work In Restricted Working Space, Add	14.50	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting	196.20	
For Above Ground Cast Iron Pipe Installation, Add	2.81	
For Work In Restricted Working Space, Add	16.84	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting	238.21	
For Above Ground Cast Iron Pipe Installation, Add	3.39	
For Work In Restricted Working Space, Add	20.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	444.05 4.28 25.71	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.94 0.45 2.68	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.76 0.49 2.93	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.19 0.61 3.66	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.63 0.73 4.39	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.51 0.98 5.85	
22 13 16 00-0254 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.76 1.14 6.83	
22 13 16 00-0255 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.83 1.34 8.05	
22 13 16 00-0256 EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.89 1.54 9.27	
22 13 16 00-0257 Joint Material (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 LB/Diameter Inch) Joint Material	1.55	
22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material	7.58	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket	10.43	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270 LF 1-1/2" No Hub Cast Iron Pipe	11.87	4.49
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.34 2.02	
22 13 16 00-0271 LF 2" No Hub Cast Iron Pipe.....	12.61	4.78
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.36 2.17	
22 13 16 00-0272 LF 3" No Hub Cast Iron Pipe.....	17.93	6.96
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.52 3.14	
22 13 16 00-0273 LF 4" No Hub Cast Iron Pipe.....	23.26	9.06
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.68 4.08	
22 13 16 00-0274 LF 5" No Hub Cast Iron Pipe.....	30.10	11.10
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.83 5.00	
22 13 16 00-0275 LF 6" No Hub Cast Iron Pipe.....	34.77	12.12
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.91 5.44	
22 13 16 00-0276 LF 8" No Hub Cast Iron Pipe.....	52.56	17.32
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.30 7.78	
22 13 16 00-0277 LF 10" No Hub Cast Iron Pipe.....	73.65	19.68
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.47 8.85	
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280 EA 1-1/2" No Hub Cast Iron Long Sweep.....	43.38	21.25
<i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.59 9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep	43.67	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep	51.32	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep	70.36	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep	95.57	36.64
For Below Ground Installation, Add	2.75	
For Work In Restricted Working Space, Add	16.47	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep	113.46	43.68
For Below Ground Installation, Add	3.28	
For Work In Restricted Working Space, Add	19.66	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep	215.26	56.17
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.27	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep	63.52	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep	93.62	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep	41.22	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep	49.37	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep	69.34	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep	95.95	36.64
For Below Ground Installation, Add	2.75	
For Work In Restricted Working Space, Add	16.47	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep	107.51	43.68
For Below Ground Installation, Add	3.28	
For Work In Restricted Working Space, Add	19.66	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	197.26	56.17
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.27	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	316.73	78.65
For Below Ground Installation, Add	5.90	
For Work In Restricted Working Space, Add	35.38	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	37.80	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend	39.53	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend	46.63	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend	63.29	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend	88.43	36.64
For Below Ground Installation, Add	2.75	
For Work In Restricted Working Space, Add	16.47	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend	102.69	43.68
For Below Ground Installation, Add	3.28	
For Work In Restricted Working Space, Add	19.66	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend	183.24	56.17
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.27	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	36.24	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend	37.68	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.82 1.83 10.95	24.33
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.21 2.41 14.48	32.18
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.22 3.56 21.38	47.52
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.95 4.68 28.07	62.41
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.39 5.76 34.54	76.78
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.11 2.40 14.39	32.03
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.33 3.25 19.52	43.40
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.29 3.56 21.38	47.52
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.30 4.68 28.07	62.41
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.16 5.35 32.08	71.32
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.31 6.35 38.09	84.67
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.56 8.42 50.54	112.41
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	484.01 9.36 56.16	124.87
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.17 3.11 18.63	41.46
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.33 3.56 21.38	47.52
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.93 3.94 23.63	52.54
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.49 4.38 26.26	58.37
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.52 5.40 32.42	72.05
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.33 5.64 33.86	75.31
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.76 6.60 39.58	88.01
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.99 6.63 39.75	88.38
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.53 7.28 43.68	97.15
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	360.45 7.76 46.55	103.49
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.87 8.31 49.83	110.79
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	435.26 8.87 53.21	118.31

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	66.10	37.27
For Below Ground Installation, Add	2.79	
For Work In Restricted Working Space, Add	16.75	
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	75.74	43.40
For Below Ground Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	88.41	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	125.13	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	223.42	96.01
For Below Ground Installation, Add	7.20	
For Work In Restricted Working Space, Add	43.18	
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	384.16	123.18
For Below Ground Installation, Add	9.23	
For Work In Restricted Working Space, Add	55.41	
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	452.30	148.93
For Below Ground Installation, Add	11.16	
For Work In Restricted Working Space, Add	66.98	
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	76.25	43.40
For Below Ground Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	83.89	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	96.05	52.54
For Below Ground Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	109.52	58.37
For Below Ground Installation, Add	4.38	
For Work In Restricted Working Space, Add	26.26	
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	148.60	72.05
For Below Ground Installation, Add	5.40	
For Work In Restricted Working Space, Add	32.42	
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	164.20	75.31
For Below Ground Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.86	
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	184.65	88.01
For Below Ground Installation, Add	6.60	
For Work In Restricted Working Space, Add	39.58	
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	236.96	88.38
For Below Ground Installation, Add	6.63	
For Work In Restricted Working Space, Add	39.75	
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	301.89	97.15
For Below Ground Installation, Add	7.28	
For Work In Restricted Working Space, Add	43.68	
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye.....	95.21	53.96
For Below Ground Installation, Add	4.05	
For Work In Restricted Working Space, Add	24.27	
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye.....	124.85	65.70
For Below Ground Installation, Add	4.92	
For Work In Restricted Working Space, Add	29.54	
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye.....	161.98	71.84
For Below Ground Installation, Add	5.38	
For Work In Restricted Working Space, Add	32.30	
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye.....	253.51	106.73
For Below Ground Installation, Add	8.00	
For Work In Restricted Working Space, Add	47.99	
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye.....	467.79	142.99
For Below Ground Installation, Add	10.72	
For Work In Restricted Working Space, Add	64.33	
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye.....	112.25	59.79
For Below Ground Installation, Add	4.48	
For Work In Restricted Working Space, Add	26.89	
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye.....	133.63	68.85
For Below Ground Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.97	
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye.....	146.82	75.06
For Below Ground Installation, Add	5.63	
For Work In Restricted Working Space, Add	33.76	
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye.....	216.95	94.10
For Below Ground Installation, Add	7.05	
For Work In Restricted Working Space, Add	42.32	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>				
22 13 16 00-0366	EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.86 29.16	122.27	64.81
22 13 16 00-0367	EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.38 32.30	146.52	71.84
22 13 16 00-0368	EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 7.13 42.77	216.73	95.12
22 13 16 00-0369	EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 11.01 66.03	306.72	146.83
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>				
22 13 16 00-0371	EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.18 25.08	112.70	55.75
22 13 16 00-0372	EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.86 29.16	130.71	64.81
22 13 16 00-0373	EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.31 31.85	154.87	70.79
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees <small>(22 13 16 00-0278)</small>				
22 13 16 00-0375	EA 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 2.35 14.12	56.69	31.36
22 13 16 00-0376	EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 3.25 19.52	75.84	43.40
22 13 16 00-0377	EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 3.56 21.38	84.14	47.52
22 13 16 00-0378	EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.68 28.07	113.69	62.41
22 13 16 00-0379	EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.35 32.08	156.70	71.32
22 13 16 00-0380	EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 6.35 38.09	184.93	84.67
22 13 16 00-0381	EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 8.42 50.54	337.77	112.41
22 13 16 00-0382	EA 2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 2.65 15.92	63.84	35.40
22 13 16 00-0383	EA 3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 3.11 18.63	74.06	41.46
22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees <small>(22 13 16 00-0278)</small>				
22 13 16 00-0385	EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 3.25 19.52	77.02	43.40
22 13 16 00-0386	EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 3.25 19.52	89.35	43.40
22 13 16 00-0387	EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.40 26.42	103.38	58.74
22 13 16 00-0388	EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 4.40 26.42	106.37	58.74
22 13 16 00-0389	EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.08 30.47	137.16	67.76
22 13 16 00-0390	EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.08 30.47	141.34	67.76
22 13 16 00-0391	EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.08 30.47	141.85	67.76
22 13 16 00-0392	EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 5.29 31.74	147.27	70.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee.....	268.25	94.79
For Below Ground Installation, Add	7.11	
For Work In Restricted Working Space, Add	42.63	
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	42.65	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	49.47	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	61.54	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee	40.77	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee	50.84	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee	73.48	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee	120.44	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee	165.52	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee	209.02	94.81
For Below Ground Installation, Add	7.11	
For Work In Restricted Working Space, Add	42.66	
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug	35.64	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug	42.46	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug	59.59	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug	92.40	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug	122.58	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross	75.88	41.91
For Below Ground Installation, Add	3.14	
For Work In Restricted Working Space, Add	18.86	
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross	81.32	43.40
For Below Ground Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross	96.86	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross	141.63	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross	106.60	55.75
For Below Ground Installation, Add	4.18	
For Work In Restricted Working Space, Add	25.08	
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross	118.56	57.39
For Below Ground Installation, Add	4.30	
For Work In Restricted Working Space, Add	25.82	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.04 4.49 26.95	59.94
22 13 16 00-0421 No Hub Cast Iron Reducers <small>(22 13 16 00-0278)</small>						
	22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.52 3.25 19.52	43.40
	22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.37 4.40 26.42	58.74
	22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.62 4.40 26.42	58.74
	22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.77 5.08 30.47	67.76
	22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.46 5.08 30.47	67.76
	22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.13 5.08 30.47	67.76
	22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.93 5.64 33.86	75.31
	22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.19 5.64 33.86	75.31
	22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.95 5.64 33.86	75.31
	22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.32 7.86 47.18	104.89
	22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.27 7.86 47.18	104.89
	22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.39 7.86 47.18	104.89
	22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.64 7.86 47.18	104.89
	22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.02 7.86 47.18	104.89
	22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.14 8.29 49.76	110.64
	22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.78 8.66 51.97	115.50
	22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.89 9.40 56.39	125.38
22 13 16 00-0439 No Hub Cast Iron Blind Plugs <small>(22 13 16 00-0278)</small>						
	22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.66 1.53 9.16	20.36
	22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.85 1.59 9.56	21.25
	22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.82 1.83 10.95	24.33
	22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.42 2.41 14.48	32.18
	22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.13 2.79 16.76	37.73
	22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.92 3.28 19.66	43.68
	22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.46 4.21 25.27	56.17
	22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.42 4.54 27.22	60.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0448 No Hub Cast Iron P-Traps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap.....	42.91	21.25
<i>For Below Ground Installation, Add</i>	1.59	
<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap.....	61.70	24.33
<i>For Below Ground Installation, Add</i>	1.83	
<i>For Work In Restricted Working Space, Add</i>	10.95	
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap.....	92.06	32.18
<i>For Below Ground Installation, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap.....	155.51	36.93
<i>For Below Ground Installation, Add</i>	2.77	
<i>For Work In Restricted Working Space, Add</i>	16.60	
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap.....	166.31	44.04
<i>For Below Ground Installation, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	19.81	
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap.....	66.83	27.02
<i>For Below Ground Installation, Add</i>	2.02	
<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap.....	95.93	35.92
<i>For Below Ground Installation, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap.....	138.64	47.44
<i>For Below Ground Installation, Add</i>	3.55	
<i>For Work In Restricted Working Space, Add</i>	21.33	
22 13 16 00-0458 No Hub Cast Iron Closet Flanges <small>(22 13 16 00-0278)</small>		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange.....	65.81	32.18
<i>For Below Ground Installation, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange.....	69.44	32.18
<i>For Below Ground Installation, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-0461 No Hub Cast Iron Closet Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend.....	116.88	32.18
<i>For Below Ground Installation, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter <small>(22 13 16 00-0278)</small>		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	49.95	27.02
<i>For Below Ground Installation, Add</i>	2.02	
<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	52.88	27.02
<i>For Below Ground Installation, Add</i>	2.02	
<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0466 No Hub Couplings <small>(22 13 16 00-0278)</small>		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling.....	4.91	
<i>For Medium Duty (Fernco MD-2000), Add</i>	0.64	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.33	
22 13 16 00-0468 EA 2" No Hub Coupling.....	4.91	
<i>For Medium Duty (Fernco MD-2000), Add</i>	0.64	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.33	
22 13 16 00-0469 EA 3" No Hub Coupling.....	5.83	
<i>For Medium Duty (Fernco MD-2000), Add</i>	0.76	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.57	
22 13 16 00-0470 EA 4" No Hub Coupling.....	6.92	
<i>For Medium Duty (Fernco MD-2000), Add</i>	0.90	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.87	
22 13 16 00-0471 EA 5" No Hub Coupling.....	16.00	
<i>For Medium Duty (Fernco MD-2000), Add</i>	2.08	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.32	
22 13 16 00-0472 EA 6" No Hub Coupling.....	17.58	
<i>For Medium Duty (Fernco MD-2000), Add</i>	2.29	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.75	
22 13 16 00-0473 EA 8" No Hub Coupling.....	33.12	
<i>For Medium Duty (Fernco MD-2000), Add</i>	4.31	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	8.94	
22 13 16 00-0474 EA 10" No Hub Coupling.....	45.63	
<i>For Medium Duty (Fernco MD-2000), Add</i>	5.93	
<i>For Heavy Duty (Fernco HD-4000), Add</i>	12.32	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling.....	5.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling.....	9.04	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling.....	12.61	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling.....	10.75	
22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
<i>Note: For underground connections. See CSI section 22 13 16 00-1252 for additional FERNCO couplings.</i>		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	20.99	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	21.67	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	22.75	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	26.54	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	50.11	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	68.79	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	120.52	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	184.17	
22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0266)</small>		
<i>Note: For use when connecting pipe to an existing in-place system.</i>		
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	7.32	
<i>For Work In Restricted Working Space, Add</i>	2.20	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	8.94	
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	9.76	
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	12.19	
<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	14.63	
<i>For Work In Restricted Working Space, Add</i>	4.39	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	19.51	
<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	22.76	
<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0496 Copper DWV Pipe <small>(22 13 16)</small>		
<i>See CSI section 22 11 16 00-0354 for copper and brass fittings.</i>		
22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	9.71	3.52
22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	11.95	3.93
22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe.....	18.24	4.84
22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe.....	36.35	6.71
22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe.....	48.08	7.57
22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe.....	126.99	8.69
22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe.....	159.47	13.48
22 13 16 00-0504 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 13 16)</small>		
<i>Note: Acid resistant. ASTM A518.</i>		
22 13 16 00-0505 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 13 16 00-0504)</small>		
22 13 16 00-0506 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	68.10	6.66
22 13 16 00-0507 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	95.69	8.31
22 13 16 00-0508 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	129.96	9.58
22 13 16 00-0509 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	213.50	13.79
22 13 16 00-0510 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	375.55	18.36
22 13 16 00-0511 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	662.65	23.15
22 13 16 00-0512 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,179.96	31.18
22 13 16 00-0513 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,098.43	35.75
22 13 16 00-0514 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 13 16 00-0504)</small>		
22 13 16 00-0515 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 13 16 00-0514)</small>		
22 13 16 00-0516 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	276.32	56.73
22 13 16 00-0517 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	359.58	62.41
22 13 16 00-0518 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	580.33	74.69
22 13 16 00-0519 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	864.27	91.06
22 13 16 00-0520 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,974.09	147.49
22 13 16 00-0521 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0522 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	164.19	56.73
22 13 16 00-0523 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	212.28	62.41
22 13 16 00-0524 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	265.93	74.69
22 13 16 00-0525 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	690.58	91.06
22 13 16 00-0526 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,555.70	147.49
22 13 16 00-0527 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,356.20	183.76
22 13 16 00-0528 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,452.28	220.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0529 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0530 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	164.19	56.73
22 13 16 00-0531 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	212.28	62.41
22 13 16 00-0532 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	265.93	74.69
22 13 16 00-0533 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	510.29	91.06
22 13 16 00-0534 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,322.64	147.49
22 13 16 00-0535 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,927.80	183.76
22 13 16 00-0536 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,727.07	220.99
22 13 16 00-0537 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0538 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	164.19	56.73
22 13 16 00-0539 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	212.27	62.41
22 13 16 00-0540 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	265.75	74.61
22 13 16 00-0541 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 13 16 00-0514)</small>		
22 13 16 00-0542 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	221.35	56.73
22 13 16 00-0543 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	385.97	62.41
22 13 16 00-0544 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	433.03	74.69
22 13 16 00-0545 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0546 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	232.80	84.86
22 13 16 00-0547 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	290.55	94.07
22 13 16 00-0548 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	401.48	112.33
22 13 16 00-0549 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	666.87	136.84
22 13 16 00-0550 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,005.14	221.43
22 13 16 00-0551 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,840.63	276.49
22 13 16 00-0552 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0553 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	218.72	81.35
22 13 16 00-0554 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	254.08	87.33
22 13 16 00-0555 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	282.84	90.40
22 13 16 00-0556 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	323.36	99.83
22 13 16 00-0557 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	345.73	102.97
22 13 16 00-0558 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	378.79	106.05
22 13 16 00-0559 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	474.71	118.41
22 13 16 00-0560 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	525.10	121.45
22 13 16 00-0561 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	586.23	127.05
22 13 16 00-0562 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0563 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	263.54	84.86
22 13 16 00-0564 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	316.56	93.85
22 13 16 00-0565 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	430.03	112.33
22 13 16 00-0566 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0567 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	249.48	81.35
22 13 16 00-0568 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	309.85	90.85
22 13 16 00-0569 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	372.54	103.28
22 13 16 00-0570 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	399.05	106.34
22 13 16 00-0571 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 13 16 00-0514)</small>		
22 13 16 00-0572 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	230.76	85.01
22 13 16 00-0573 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	314.73	94.07
22 13 16 00-0574 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	401.35	112.25
22 13 16 00-0575 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	670.47	136.33
22 13 16 00-0576 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,501.68	221.21
22 13 16 00-0577 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 13 16 00-0514)</small>		
22 13 16 00-0578 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	236.29	81.35
22 13 16 00-0579 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	254.05	87.33
22 13 16 00-0580 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	268.24	90.93
22 13 16 00-0581 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	299.18	99.83
22 13 16 00-0582 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	310.72	103.12
22 13 16 00-0583 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	370.47	106.34
22 13 16 00-0584 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	498.76	118.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0585 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	588.86	121.45
22 13 16 00-0586 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	614.81	127.05
22 13 16 00-0587 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,479.01	178.46
22 13 16 00-0588 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,595.57	184.36
22 13 16 00-0589 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,946.03	193.78
22 13 16 00-0590 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0591 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	272.30	84.86
22 13 16 00-0592 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	323.15	93.85
22 13 16 00-0593 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	474.01	112.33
22 13 16 00-0594 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	727.90	136.47
22 13 16 00-0595 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0596 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	227.49	81.35
22 13 16 00-0597 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	262.85	87.33
22 13 16 00-0598 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	290.06	90.85
22 13 16 00-0599 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	314.57	99.83
22 13 16 00-0600 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	361.55	103.28
22 13 16 00-0601 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	407.80	106.27
22 13 16 00-0602 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	527.29	118.56
22 13 16 00-0603 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	652.67	121.53
22 13 16 00-0604 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	714.06	127.26
22 13 16 00-0605 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 13 16 00-0514)</small>		
22 13 16 00-0606 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	141.65	53.44
22 13 16 00-0607 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	154.92	56.43
22 13 16 00-0608 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	172.61	59.42
22 13 16 00-0609 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	272.47	65.86
22 13 16 00-0610 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	285.76	68.93
22 13 16 00-0611 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	311.79	75.97
22 13 16 00-0612 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	401.84	81.77
22 13 16 00-0613 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	581.37	110.64
22 13 16 00-0614 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	619.61	120.00
22 13 16 00-0615 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 13 16 00-0514)</small>		
22 13 16 00-0616 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	376.17	124.75
22 13 16 00-0617 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	490.50	124.75
22 13 16 00-0618 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	500.76	124.75
22 13 16 00-0619 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	572.75	169.42
22 13 16 00-0620 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 13 16 00-0514)</small>		
22 13 16 00-0621 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	406.04	56.73
22 13 16 00-0622 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	489.30	62.41
22 13 16 00-0623 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	595.72	74.69
22 13 16 00-0624 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	1,739.32	91.06
22 13 16 00-0625 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 13 16 00-0514)</small>		
22 13 16 00-0626 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	205.96	56.73
22 13 16 00-0627 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	258.45	62.41
22 13 16 00-0628 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	353.88	74.69
22 13 16 00-0629 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	457.16	91.06
22 13 16 00-0630 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	880.87	127.05
22 13 16 00-0631 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 13 16 00-0504)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 13 16 00-0632 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 13 16 00-0633 LB Sealite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	40.31	
22 13 16 00-0634 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 13 16)</small>		
Note: ASTM A518.		
22 13 16 00-0635 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 13 16 00-0634)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0636 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	53.98	5.02
22 13 16 00-0637 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	61.42	5.54
22 13 16 00-0638 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	84.62	6.96
22 13 16 00-0639 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	106.61	8.08
22 13 16 00-0640 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 13 16 00-0634)</small>		
22 13 16 00-0641 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 13 16 00-0640)</small>		
22 13 16 00-0642 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	202.51	39.74
22 13 16 00-0643 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	219.06	44.90
22 13 16 00-0644 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	298.51	49.54
22 13 16 00-0645 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	360.24	59.87
22 13 16 00-0646 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0647 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	116.76	39.74
22 13 16 00-0648 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	139.20	44.45
22 13 16 00-0649 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	177.83	49.69
22 13 16 00-0650 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	232.04	59.42
22 13 16 00-0651 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	135.49	41.98
22 13 16 00-0652 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0653 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	116.76	39.74
22 13 16 00-0654 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	139.20	44.45
22 13 16 00-0655 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	177.83	49.69
22 13 16 00-0656 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	232.04	59.42
22 13 16 00-0657 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0658 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	136.55	39.74
22 13 16 00-0659 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	169.98	44.45
22 13 16 00-0660 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	259.18	49.69
22 13 16 00-0661 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	291.40	59.42
22 13 16 00-0662 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0663 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	132.15	39.74
22 13 16 00-0664 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	156.79	44.45
22 13 16 00-0665 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	239.40	49.69
22 13 16 00-0666 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	271.61	59.42
22 13 16 00-0667 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0668 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	199.58	59.79
22 13 16 00-0669 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 13 16 00-0640)</small>		
22 13 16 00-0670 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	164.40	59.79
22 13 16 00-0671 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	202.12	67.36
22 13 16 00-0672 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	264.23	75.06
22 13 16 00-0673 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	396.33	89.88
22 13 16 00-0674 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 13 16 00-0640)</small>		
22 13 16 00-0675 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	189.52	64.81
22 13 16 00-0676 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	230.08	69.89
22 13 16 00-0677 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	244.76	72.36
22 13 16 00-0678 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	262.58	79.85
22 13 16 00-0679 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	288.01	82.09
22 13 16 00-0680 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	311.52	84.56
22 13 16 00-0681 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 13 16 00-0640)</small>		
22 13 16 00-0682 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	164.70	60.01
22 13 16 00-0683 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	193.32	67.36
22 13 16 00-0684 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	255.44	75.06
22 13 16 00-0685 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	396.33	89.88
22 13 16 00-0686 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 13 16 00-0640)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 16 00-0687 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	183.43	65.18
				22 13 16 00-0688 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	223.47	69.82
				22 13 16 00-0689 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	234.11	72.59
				22 13 16 00-0690 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	262.95	80.08
				22 13 16 00-0691 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	288.68	82.55
				22 13 16 00-0692 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	305.24	84.79
22 13 16 00-0693				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0694 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	245.15	79.93
				22 13 16 00-0695 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	310.70	89.95
				22 13 16 00-0696 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	395.44	99.53
				22 13 16 00-0697 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	513.61	119.66
				22 13 16 00-0698 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	269.85	84.64
				22 13 16 00-0699 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	301.49	89.66
				22 13 16 00-0700 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	357.33	94.59
				22 13 16 00-0701 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	394.48	104.77
				22 13 16 00-0702 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	472.81	110.08
22 13 16 00-0703				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0704 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	271.48	79.93
				22 13 16 00-0705 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	319.31	89.80
				22 13 16 00-0706 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	453.45	100.05
				22 13 16 00-0707 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	630.31	119.82
				22 13 16 00-0708 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	291.80	84.64
				22 13 16 00-0709 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	378.42	89.66
				22 13 16 00-0710 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	399.06	94.59
				22 13 16 00-0711 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	427.42	104.70
				22 13 16 00-0712 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	540.38	109.63
22 13 16 00-0713				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0714 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	181.70	59.57
				22 13 16 00-0715 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	210.91	67.36
				22 13 16 00-0716 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	255.44	75.06
				22 13 16 00-0717 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	420.52	89.88
22 13 16 00-0718				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0719 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	200.57	64.88
				22 13 16 00-0720 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	223.76	70.05
				22 13 16 00-0721 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	242.91	72.59
				22 13 16 00-0722 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	326.71	80.08
				22 13 16 00-0723 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	334.85	82.55
				22 13 16 00-0724 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	373.39	84.79
22 13 16 00-0725				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0726 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	286.70	79.78
				22 13 16 00-0727 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	358.83	89.73
				22 13 16 00-0728 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	512.27	99.76
				22 13 16 00-0729 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	615.30	120.04
22 13 16 00-0730				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0640)</small>		
				22 13 16 00-0731 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	311.58	84.64
				22 13 16 00-0732 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	371.80	89.58
				22 13 16 00-0733 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	388.06	94.59
				22 13 16 00-0734 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	431.82	104.70
				22 13 16 00-0735 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	540.38	109.63
22 13 16 00-0736				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 13 16 00-0640)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0737 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	136.13	42.44
22 13 16 00-0738 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	153.07	44.90
22 13 16 00-0739 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	179.68	52.39
22 13 16 00-0740 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	210.92	49.77
22 13 16 00-0741 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	223.46	52.24
22 13 16 00-0742 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	235.97	54.71
22 13 16 00-0743 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 13 16 00-0640)</small>		
22 13 16 00-0744 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	124.93	34.95
22 13 16 00-0745 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	145.00	39.52
22 13 16 00-0746 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	170.38	44.75
22 13 16 00-0747 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	305.97	54.48
22 13 16 00-0748 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 13 16 00-0640)</small>		
22 13 16 00-0749 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	56.19	19.90
22 13 16 00-0750 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	66.31	22.23
22 13 16 00-0751 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	72.43	24.85
22 13 16 00-0752 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	92.94	29.71
22 13 16 00-0753 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 13 16 00-0640)</small>		
22 13 16 00-0754 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	224.15	39.52
22 13 16 00-0755 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	231.55	44.45
22 13 16 00-0756 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	285.57	49.69
22 13 16 00-0757 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	363.96	59.42
22 13 16 00-0758 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	309.92	42.51
22 13 16 00-0759 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	425.14	47.44
22 13 16 00-0760 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	513.84	52.39
22 13 16 00-0761 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	638.80	62.41
22 13 16 00-0762 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 13 16 00-0640)</small>		
22 13 16 00-0763 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	412.80	45.13
22 13 16 00-0764 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	648.68	49.92
22 13 16 00-0765 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	430.13	44.90
22 13 16 00-0766 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	648.68	49.92
22 13 16 00-0767 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 13 16 00-0640)</small>		
22 13 16 00-0768 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	383.96	44.90
22 13 16 00-0769 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	450.80	49.92
22 13 16 00-0770 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	443.32	44.90
22 13 16 00-0771 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	967.48	49.92
22 13 16 00-0772 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	578.32	49.92
22 13 16 00-0773 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 13 16 00-0640)</small>		
22 13 16 00-0774 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	163.20	39.96
22 13 16 00-0775 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	212.47	44.90
22 13 16 00-0776 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 13 16 00-0640)</small>		
22 13 16 00-0777 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	84.48	29.94
22 13 16 00-0778 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	151.97	32.47
22 13 16 00-0779 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	113.29	37.42
22 13 16 00-0780 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 13 16 00-0640)</small>		
22 13 16 00-0781 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	156.22	42.58
22 13 16 00-0782 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	170.65	44.90
22 13 16 00-0783 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	189.79	47.37
22 13 16 00-0784 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	203.67	52.24
22 13 16 00-0785 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	189.82	47.44
22 13 16 00-0786 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	200.12	49.92
22 13 16 00-0787 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	216.19	54.71
22 13 16 00-0788 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	243.48	52.39
22 13 16 00-0789 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	300.22	62.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0790				Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 13 16 00-0640)</small>		
22 13 16 00-0791	EA			1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	52.77	
22 13 16 00-0792	EA			2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	61.56	
22 13 16 00-0793	EA			3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.96	
22 13 16 00-0794	EA			4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	72.55	
22 13 16 00-0795				Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 13 16 00-0640)</small>		
22 13 16 00-0796	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	392.71	19.98
22 13 16 00-0797	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	149.09	9.95
22 13 16 00-0798	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	276.60	9.95
22 13 16 00-0799				Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 13 16 00-0640)</small>		
22 13 16 00-0800	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,411.67	99.83
22 13 16 00-0801	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,740.15	104.85
22 13 16 00-0802	EA			Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,162.64	9.95
22 13 16 00-0803				Polyvinyl Chloride (PVC) DWV Pipe And Fittings <small>(22 13 16)</small>		
				Note: Aboveground installation. See CSI section 33 31 00 00-0019 for underground installation.		
22 13 16 00-0804				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0803)</small>		
				Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0805	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	15.60	3.14
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	4.31	
22 13 16 00-0806	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	17.29	3.74
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	4.77	
22 13 16 00-0807	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	22.28	5.39
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	5.92	
22 13 16 00-0808	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	25.12	5.84
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	6.58	
22 13 16 00-0809	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	36.85	7.48
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	8.75	
22 13 16 00-0810	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	49.52	9.95
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	11.09	
22 13 16 00-0811	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	67.78	13.32
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	14.45	
22 13 16 00-0812				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0803)</small>		
				Note: Excludes fittings or hangers.		
22 13 16 00-0813				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0812)</small>		
				Note: Excludes fittings or hangers.		
22 13 16 00-0814	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	5.19	3.14
				<i>For Work In Restricted Working Space, Add</i>	1.40	
22 13 16 00-0815	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	6.30	3.74
				<i>For Work In Restricted Working Space, Add</i>	1.68	
22 13 16 00-0816	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	9.43	5.39
				<i>For Work In Restricted Working Space, Add</i>	2.42	
22 13 16 00-0817	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.68	5.84
				<i>For Work In Restricted Working Space, Add</i>	2.62	
22 13 16 00-0818	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	14.32	7.26
				<i>For Work In Restricted Working Space, Add</i>	3.26	
22 13 16 00-0819	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	20.41	9.65
				<i>For Work In Restricted Working Space, Add</i>	4.35	
22 13 16 00-0820	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	28.39	12.91
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 13 16 00-0821				Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0812)</small>		
				Note: Excludes fittings or hangers.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0822	LF	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.08 1.40	3.14
22 13 16 00-0823	LF	2"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.17 1.68	3.74
22 13 16 00-0824	LF	3"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.20 2.42	5.39
22 13 16 00-0825	LF	4"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.39 2.62	5.84
22 13 16 00-0826	LF	6"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.77 3.26	7.26
22 13 16 00-0827	LF	8"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	19.03 4.35	9.65
22 13 16 00-0828	LF	10"	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	26.89 5.81	12.91
22 13 16 00-0829			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0803)		
22 13 16 00-0830			Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0829)		
22 13 16 00-0831	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	19.20 5.61	12.50
22 13 16 00-0832	EA	2"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	24.56 7.18	15.94
22 13 16 00-0833	EA	3"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	34.09 9.65	21.40
22 13 16 00-0834	EA	4"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	41.48 11.23	24.92
22 13 16 00-0835	EA	6"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	73.35 14.59	32.40
22 13 16 00-0836	EA	8"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	107.80 19.64	43.63
22 13 16 00-0837	EA	10"	Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	143.10 26.19	58.15
22 13 16 00-0838			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0829)		
22 13 16 00-0839	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.56 5.61	12.50
22 13 16 00-0840	EA	2"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	25.34 7.18	15.94
22 13 16 00-0841	EA	3"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	36.11 9.65	21.40
22 13 16 00-0842	EA	4"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	45.18 11.23	24.92
22 13 16 00-0843	EA	6"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.21 14.59	32.40
22 13 16 00-0844	EA	8"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	98.42 19.64	43.63
22 13 16 00-0845	EA	10"	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	142.93 26.19	58.15
22 13 16 00-0846			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0829)		
22 13 16 00-0847	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	19.31 5.61	12.50
22 13 16 00-0848	EA	2"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	24.55 7.18	15.94
22 13 16 00-0849	EA	3"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	33.93 9.65	21.40
22 13 16 00-0850	EA	4"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.66 11.23	24.92
22 13 16 00-0851	EA	6"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	71.26 14.59	32.40
22 13 16 00-0852	EA	8"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	102.94 19.64	43.63
22 13 16 00-0853	EA	10"	Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	128.80 26.19	58.15
22 13 16 00-0854			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0829)		
22 13 16 00-0855	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	28.93 8.42	18.71
22 13 16 00-0856	EA	2"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	37.16 10.78	23.94
22 13 16 00-0857	EA	3"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	51.57 14.48	32.18
22 13 16 00-0858	EA	4"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	62.43 16.84	37.42
22 13 16 00-0859	EA	6"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	109.62 21.89	48.57
22 13 16 00-0860	EA	8"	Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	145.59 29.47	65.40



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 16 00-0861 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <small>(22 13 16 00-0829)</small>		
				EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	32.25	20.43
				<i>For Work In Restricted Working Space, Add</i>	9.20	
				EA 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	35.47	22.15
				<i>For Work In Restricted Working Space, Add</i>	9.99	
				EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	34.54	22.15
				<i>For Work In Restricted Working Space, Add</i>	9.99	
				EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	44.06	27.69
				<i>For Work In Restricted Working Space, Add</i>	12.46	
				EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	46.56	29.41
				<i>For Work In Restricted Working Space, Add</i>	13.25	
				EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	50.17	31.13
				<i>For Work In Restricted Working Space, Add</i>	14.03	
				EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	57.94	32.93
				<i>For Work In Restricted Working Space, Add</i>	14.82	
				EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	65.12	35.62
				<i>For Work In Restricted Working Space, Add</i>	16.05	
				EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	102.80	44.82
				<i>For Work In Restricted Working Space, Add</i>	20.21	
				EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	207.55	56.05
				<i>For Work In Restricted Working Space, Add</i>	25.26	
				EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	217.14	59.79
				<i>For Work In Restricted Working Space, Add</i>	26.94	
				22 13 16 00-0873 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-0829)</small>		
				EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	40.03	24.92
				<i>For Work In Restricted Working Space, Add</i>	11.23	
				EA 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	51.73	31.88
				<i>For Work In Restricted Working Space, Add</i>	14.37	
				EA 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	75.08	42.88
				<i>For Work In Restricted Working Space, Add</i>	19.31	
				EA 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	92.10	49.84
				<i>For Work In Restricted Working Space, Add</i>	22.45	
				22 13 16 00-0878 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0829)</small>		
				EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	46.12	28.44
				<i>For Work In Restricted Working Space, Add</i>	12.80	
				EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	59.01	33.90
				<i>For Work In Restricted Working Space, Add</i>	15.27	
				EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	65.76	37.42
				<i>For Work In Restricted Working Space, Add</i>	16.84	
				EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	82.56	40.87
				<i>For Work In Restricted Working Space, Add</i>	18.41	
				EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	91.37	46.32
				<i>For Work In Restricted Working Space, Add</i>	20.88	
				22 13 16 00-0884 Polyvinyl Chloride (PVC) DWV Reducers <small>(22 13 16 00-0829)</small>		
				EA 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	22.29	14.22
				<i>For Work In Restricted Working Space, Add</i>	6.40	
				EA 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	28.54	16.91
				<i>For Work In Restricted Working Space, Add</i>	7.63	
				EA 3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	30.65	18.71
				<i>For Work In Restricted Working Space, Add</i>	8.42	
				EA 4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	35.81	20.43
				<i>For Work In Restricted Working Space, Add</i>	9.20	
				EA 4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	40.17	23.20
				<i>For Work In Restricted Working Space, Add</i>	10.44	
				EA 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	67.52	26.94
				<i>For Work In Restricted Working Space, Add</i>	12.12	
				EA 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	64.81	28.67
				<i>For Work In Restricted Working Space, Add</i>	12.91	
				EA 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	111.20	34.28
				<i>For Work In Restricted Working Space, Add</i>	15.44	
				EA 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	106.22	38.01
				<i>For Work In Restricted Working Space, Add</i>	17.12	
				EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	134.88	45.28
				<i>For Work In Restricted Working Space, Add</i>	20.39	
				EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers.....	126.59	50.89
				<i>For Work In Restricted Working Space, Add</i>	22.92	
				22 13 16 00-0896 Polyvinyl Chloride (PVC) DWV P-Traps <small>(22 13 16 00-0829)</small>		
				EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	29.76	18.71
				<i>For Work In Restricted Working Space, Add</i>	8.42	
				EA 2" Polyvinyl Chloride (PVC) DWV P-Traps	38.23	23.94
				<i>For Work In Restricted Working Space, Add</i>	10.78	
				EA 3" Polyvinyl Chloride (PVC) DWV P-Traps	59.80	32.18
				<i>For Work In Restricted Working Space, Add</i>	14.48	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0900	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	83.58 16.84	37.42
22 13 16 00-0901	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	121.50 21.89	48.57
22 13 16 00-0902			Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0829)		
22 13 16 00-0903	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	40.68 11.23	24.92
22 13 16 00-0904	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	37.08 10.44	23.20
22 13 16 00-0905			Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0829)		
22 13 16 00-0906	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	29.80 8.42	18.71
22 13 16 00-0907	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	37.67 10.78	23.94
22 13 16 00-0908	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	52.22 14.48	32.18
22 13 16 00-0909	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	63.48 16.84	37.42
22 13 16 00-0910	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	105.66 21.89	48.57
22 13 16 00-0911	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	138.08 29.47	65.40
22 13 16 00-0912	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	183.26 39.29	87.18
22 13 16 00-0913			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0829)		
22 13 16 00-0914	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	33.78 9.20	20.43
22 13 16 00-0915	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	36.37 9.99	22.15
22 13 16 00-0916	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	46.35 12.46	27.69
22 13 16 00-0917	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	47.20 13.25	29.41
22 13 16 00-0918	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	54.43 14.03	31.13
22 13 16 00-0919	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	55.31 14.82	32.93
22 13 16 00-0920	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	60.41 16.05	35.62
22 13 16 00-0921	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	94.39 19.42	43.10
22 13 16 00-0922	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	105.29 20.21	44.82
22 13 16 00-0923	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	118.35 25.26	56.05
22 13 16 00-0924	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	134.50 26.94	59.79
22 13 16 00-0925	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	144.51 31.81	70.57
22 13 16 00-0926	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	161.56 33.49	74.32
22 13 16 00-0927	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	179.12 36.02	79.93
22 13 16 00-0928			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0829)		
22 13 16 00-0929	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	41.12 11.23	24.92
22 13 16 00-0930	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	52.65 14.37	31.88
22 13 16 00-0931	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	76.62 19.31	42.88
22 13 16 00-0932	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	99.72 22.45	49.84
22 13 16 00-0933	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	153.63 29.18	64.81
22 13 16 00-0934	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	194.57 39.29	87.26
22 13 16 00-0935	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	275.96 52.38	116.30
22 13 16 00-0936			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0829)		
22 13 16 00-0937	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	47.00 12.80	28.44
22 13 16 00-0938	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	61.66 15.27	33.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0939	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.27 16.84	37.42
22 13 16 00-0940	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.28 18.41	40.87
22 13 16 00-0941	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	89.29 20.88	46.32
22 13 16 00-0942	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.42 25.82	57.32
22 13 16 00-0943	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	140.58 30.87	68.55
22 13 16 00-0944	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	163.66 34.24	76.03
22 13 16 00-0945	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	176.67 37.42	83.07
22 13 16 00-0946	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	205.85 40.79	90.55
22 13 16 00-0947	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	238.40 45.83	101.77
22 13 16 00-0948			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0829)		
22 13 16 00-0949	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	30.88 8.42	18.71
22 13 16 00-0950	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	39.35 10.78	23.94
22 13 16 00-0951	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.30 14.48	32.18
22 13 16 00-0952	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	74.87 16.84	37.42
22 13 16 00-0953			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0829)		
22 13 16 00-0954	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.41 9.99	22.15
22 13 16 00-0955	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	53.89 12.46	27.69
22 13 16 00-0956	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.87 13.25	29.41
22 13 16 00-0957	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	66.58 14.82	32.93
22 13 16 00-0958	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.12 16.05	35.62
22 13 16 00-0959			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0829)		
22 13 16 00-0960	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	41.96 11.23	24.92
22 13 16 00-0961	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.74 14.37	31.88
22 13 16 00-0962	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	72.77 19.31	42.88
22 13 16 00-0963	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	119.19 22.45	49.84
22 13 16 00-0964	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	258.31 29.18	64.81
22 13 16 00-0965			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0829)		
22 13 16 00-0966	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	57.50 12.80	28.44
22 13 16 00-0967	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	81.28 16.84	37.42
22 13 16 00-0968	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	108.22 18.41	40.87
22 13 16 00-0969	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	110.60 20.88	46.32
22 13 16 00-0970	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	191.26 25.82	57.32
22 13 16 00-0971			Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0829)		
22 13 16 00-0972	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	44.18 10.78	23.94
22 13 16 00-0973	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	64.05 14.48	32.18
22 13 16 00-0974	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	83.58 16.84	37.42
22 13 16 00-0975	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	152.75 21.89	48.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0976 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	197.55	65.40
For Work In Restricted Working Space, Add	29.47	
22 13 16 00-0977 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	262.71	87.18
For Work In Restricted Working Space, Add	39.29	
22 13 16 00-0978 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0829)		
22 13 16 00-0979 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	20.14	12.50
For Work In Restricted Working Space, Add	5.61	
22 13 16 00-0980 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	26.25	15.94
For Work In Restricted Working Space, Add	7.18	
22 13 16 00-0981 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	35.73	21.40
For Work In Restricted Working Space, Add	9.65	
22 13 16 00-0982 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	45.75	24.92
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0983 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	71.52	32.40
For Work In Restricted Working Space, Add	14.59	
22 13 16 00-0984 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	121.26	43.63
For Work In Restricted Working Space, Add	19.64	
22 13 16 00-0985 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	193.38	58.15
For Work In Restricted Working Space, Add	26.18	
22 13 16 00-0986 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0829)		
22 13 16 00-0987 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings.....	19.13	12.50
For Work In Restricted Working Space, Add	5.61	
22 13 16 00-0988 EA 2" Polyvinyl Chloride (PVC) Couplings.....	24.42	15.94
For Work In Restricted Working Space, Add	7.18	
22 13 16 00-0989 EA 3" Polyvinyl Chloride (PVC) Couplings.....	33.40	21.40
For Work In Restricted Working Space, Add	9.65	
22 13 16 00-0990 EA 4" Polyvinyl Chloride (PVC) Couplings.....	39.42	24.92
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0991 EA 6" Polyvinyl Chloride (PVC) Couplings.....	59.67	32.40
For Work In Restricted Working Space, Add	14.59	
22 13 16 00-0992 EA 8" Polyvinyl Chloride (PVC) Couplings.....	97.35	43.63
For Work In Restricted Working Space, Add	19.64	
22 13 16 00-0993 EA 10" Polyvinyl Chloride (PVC) Couplings.....	136.70	58.15
For Work In Restricted Working Space, Add	26.19	
22 13 16 00-0994 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0829)		
22 13 16 00-0995 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters.....	9.79	6.21
22 13 16 00-0996 EA 2" Polyvinyl Chloride (PVC) Male Adapters.....	13.03	8.01
22 13 16 00-0997 EA 3" Polyvinyl Chloride (PVC) Male Adapters.....	19.01	10.70
22 13 16 00-0998 EA 4" Polyvinyl Chloride (PVC) Male Adapters.....	25.41	12.50
22 13 16 00-0999 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0803)		
Note: In place piping.		
22 13 16 00-1000 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	5.49	
22 13 16 00-1001 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	6.04	
22 13 16 00-1002 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.68	
22 13 16 00-1003 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.37	
22 13 16 00-1004 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	14.81	
22 13 16 00-1005 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	19.75	
22 13 16 00-1006 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	24.15	
22 13 16 00-1007 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe And Fittings (22 13 16)		
Note: Aboveground installation.		
22 13 16 00-1008 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-1007)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-1009 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	15.60	3.14
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.31	
22 13 16 00-1010 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	17.29	3.74
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.77	
22 13 16 00-1011 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	22.28	5.39
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	5.92	
22 13 16 00-1012 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	25.12	5.84
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1013	LF			6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	36.85 8.75	7.48
22 13 16 00-1014				Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-1007)</small> Note: Excludes fittings or hangers.		
22 13 16 00-1015	LF			1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.12 1.40	3.14
22 13 16 00-1016	LF			2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.22 1.68	3.74
22 13 16 00-1017	LF			3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.31 2.42	5.39
22 13 16 00-1018	LF			4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.53 2.62	5.84
22 13 16 00-1019	LF			6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.53 3.26	7.26
22 13 16 00-1020				Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-1007)</small>		
22 13 16 00-1021				Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-1020)</small>		
22 13 16 00-1022	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.63 5.61	12.50
22 13 16 00-1023	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.68 7.18	15.94
22 13 16 00-1024	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	40.65 9.65	21.40
22 13 16 00-1025	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	54.01 11.23	24.92
22 13 16 00-1026	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	110.55 14.59	32.40
22 13 16 00-1027				Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-1020)</small>		
22 13 16 00-1028	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	23.29 5.61	12.50
22 13 16 00-1029	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	29.28 7.18	15.94
22 13 16 00-1030	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	47.10 9.65	21.40
22 13 16 00-1031	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.85 11.23	24.92
22 13 16 00-1032				Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-1020)</small>		
22 13 16 00-1033	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	20.99 5.61	12.50
22 13 16 00-1034	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	26.43 7.18	15.94
22 13 16 00-1035	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	39.32 9.65	21.40
22 13 16 00-1036	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.56 11.23	24.92
22 13 16 00-1037	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	113.12 14.59	32.40
22 13 16 00-1038				Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-1020)</small>		
22 13 16 00-1039	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	31.34 8.42	18.71
22 13 16 00-1040	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.84 10.78	23.94
22 13 16 00-1041	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	60.81 14.48	32.18
22 13 16 00-1042	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	80.23 16.84	37.42
22 13 16 00-1043	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	203.61 21.89	48.57
22 13 16 00-1044				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-1020)</small>		
22 13 16 00-1045	EA			2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	35.90 9.20	20.43
22 13 16 00-1046	EA			2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.63 9.99	22.15
22 13 16 00-1047	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	38.02 9.99	22.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1048	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	51.11	27.69
			<i>For Work In Restricted Working Space, Add</i>	12.46	
22 13 16 00-1049	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	53.82	29.41
			<i>For Work In Restricted Working Space, Add</i>	13.25	
22 13 16 00-1050	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	81.51	31.13
			<i>For Work In Restricted Working Space, Add</i>	14.03	
22 13 16 00-1051	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	81.83	32.93
			<i>For Work In Restricted Working Space, Add</i>	14.82	
22 13 16 00-1052	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	91.53	35.62
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 13 16 00-1053	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	213.42	44.82
			<i>For Work In Restricted Working Space, Add</i>	20.21	
22 13 16 00-1054			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-1020)		
22 13 16 00-1055	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	47.37	24.92
			<i>For Work In Restricted Working Space, Add</i>	11.23	
22 13 16 00-1056	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	62.42	31.88
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 13 16 00-1057	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	105.13	42.88
			<i>For Work In Restricted Working Space, Add</i>	19.31	
22 13 16 00-1058	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	140.19	49.84
			<i>For Work In Restricted Working Space, Add</i>	22.45	
22 13 16 00-1059			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-1020)		
22 13 16 00-1060	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	53.94	28.44
			<i>For Work In Restricted Working Space, Add</i>	12.80	
22 13 16 00-1061	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	71.67	33.90
			<i>For Work In Restricted Working Space, Add</i>	15.27	
22 13 16 00-1062	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	80.72	37.42
			<i>For Work In Restricted Working Space, Add</i>	16.84	
22 13 16 00-1063	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	113.66	39.62
			<i>For Work In Restricted Working Space, Add</i>	17.85	
22 13 16 00-1064	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	123.13	44.91
			<i>For Work In Restricted Working Space, Add</i>	20.24	
22 13 16 00-1065			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-1020)		
22 13 16 00-1066	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	34.65	18.71
			<i>For Work In Restricted Working Space, Add</i>	8.42	
22 13 16 00-1067	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	42.69	23.94
			<i>For Work In Restricted Working Space, Add</i>	10.78	
22 13 16 00-1068	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	63.25	32.18
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-1069	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	84.05	37.42
			<i>For Work In Restricted Working Space, Add</i>	16.84	
22 13 16 00-1070	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	175.40	48.57
			<i>For Work In Restricted Working Space, Add</i>	21.89	
22 13 16 00-1071			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-1020)		
22 13 16 00-1072	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	42.44	20.43
			<i>For Work In Restricted Working Space, Add</i>	9.20	
22 13 16 00-1073	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	44.94	22.15
			<i>For Work In Restricted Working Space, Add</i>	9.99	
22 13 16 00-1074	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	55.79	29.41
			<i>For Work In Restricted Working Space, Add</i>	13.25	
22 13 16 00-1075	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	71.83	32.93
			<i>For Work In Restricted Working Space, Add</i>	14.82	
22 13 16 00-1076	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	79.71	35.62
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 13 16 00-1077	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	151.99	44.82
			<i>For Work In Restricted Working Space, Add</i>	20.21	
22 13 16 00-1078			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-1020)		
22 13 16 00-1079	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	51.44	24.92
			<i>For Work In Restricted Working Space, Add</i>	11.23	
22 13 16 00-1080	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	65.94	31.88
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 13 16 00-1081	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	110.98	42.88
			<i>For Work In Restricted Working Space, Add</i>	19.31	
22 13 16 00-1082	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	169.31	49.84
			<i>For Work In Restricted Working Space, Add</i>	22.45	
22 13 16 00-1083			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-1020)		
22 13 16 00-1084	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	59.14	28.44
			<i>For Work In Restricted Working Space, Add</i>	12.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1085	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	83.78 15.27	33.90
22 13 16 00-1086	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	90.75 16.84	37.42
22 13 16 00-1087	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	118.00 18.41	40.87
22 13 16 00-1088	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	144.40 20.88	46.32
22 13 16 00-1089			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-1020)</small>		
22 13 16 00-1090	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	38.59 8.42	18.71
22 13 16 00-1091	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.61 10.78	23.94
22 13 16 00-1092	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.82 14.48	32.18
22 13 16 00-1093	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	98.69 16.33	36.28
22 13 16 00-1094			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-1020)</small>		
22 13 16 00-1095	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	44.38 9.99	22.15
22 13 16 00-1096	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	67.78 12.46	27.69
22 13 16 00-1097	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	60.55 13.25	29.41
22 13 16 00-1098	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	85.94 14.82	32.93
22 13 16 00-1099	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	93.07 16.05	35.62
22 13 16 00-1100			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-1020)</small>		
22 13 16 00-1101	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	72.68 14.37	31.88
22 13 16 00-1102	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	121.50 19.31	42.88
22 13 16 00-1103			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-1020)</small>		
22 13 16 00-1104	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	62.60 12.80	28.44
22 13 16 00-1105	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	112.31 16.84	37.42
22 13 16 00-1106			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-1020)</small>		
22 13 16 00-1107	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	40.45 8.42	18.71
22 13 16 00-1108	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	51.46 10.78	23.94
22 13 16 00-1109	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	74.97 14.48	32.18
22 13 16 00-1110	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	106.04 16.84	37.42
22 13 16 00-1111			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-1020)</small>		
22 13 16 00-1112	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	22.96 5.61	12.50
22 13 16 00-1113	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	30.79 7.18	15.94
22 13 16 00-1114	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	42.71 9.65	21.40
22 13 16 00-1115	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	62.22 11.23	24.92
22 13 16 00-1116	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	116.72 14.59	32.40
22 13 16 00-1117			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-1020)</small>		
22 13 16 00-1118	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.17 5.61	12.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1119 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.48 7.18	15.94
22 13 16 00-1120 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	36.38 9.65	21.40
22 13 16 00-1121 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	44.34 11.23	24.92
22 13 16 00-1122 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	82.85 14.59	32.40
22 13 16 00-1123 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-1020)		
22 13 16 00-1124 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	25.03 6.40	14.22
22 13 16 00-1125 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.20 7.63	16.91
22 13 16 00-1126 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.92 8.42	18.71
22 13 16 00-1127 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	50.14 9.20	20.43
22 13 16 00-1128 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	55.16 10.44	23.20
22 13 16 00-1129 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-1020)		
22 13 16 00-1130 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	35.25 8.42	18.71
22 13 16 00-1131 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	47.56 10.78	23.94
22 13 16 00-1132 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	101.61 14.48	32.18
22 13 16 00-1133 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	165.40 16.84	37.42
22 13 16 00-1134 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-1020)		
22 13 16 00-1135 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	47.46 11.23	24.92
22 13 16 00-1136 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	44.22 10.44	23.20
22 13 16 00-1137 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-1020)		
22 13 16 00-1138 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	11.23 2.81	6.21
22 13 16 00-1139 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.29 3.59	8.01
22 13 16 00-1140 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.74 4.83	10.70
22 13 16 00-1141 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.05 5.61	12.50
22 13 16 00-1142 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-1020)		
22 13 16 00-1143 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	22.86 6.40	14.22
22 13 16 00-1144 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.77 7.63	16.91
22 13 16 00-1145 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	33.35 8.42	18.71
22 13 16 00-1146 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	49.87 9.20	20.43
22 13 16 00-1147 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	45.92 10.44	23.20
22 13 16 00-1148 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	85.33 12.52	27.79
22 13 16 00-1149 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-1020)		
22 13 16 00-1150 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	25.71 5.61	12.50
22 13 16 00-1151 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	31.41 7.18	15.94
22 13 16 00-1152 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	40.11 9.65	21.40
22 13 16 00-1153 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	45.82 11.23	24.92
22 13 16 00-1154 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-1007) Note: In place piping.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1155	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.49	
22 13 16 00-1156	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.04	
22 13 16 00-1157	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.68	
22 13 16 00-1158	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.37	
22 13 16 00-1159	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.81	
22 13 16 00-1160			Polypropylene Acid Resistant DWV Pipe And Fittings (22 13 16)		
22 13 16 00-1161			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 13 16 00-1160)		
22 13 16 00-1162			Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 13 16 00-1161)		
22 13 16 00-1163	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	10.02	4.26
			<i>For Schedule 80, Add</i>	1.87	
			<i>For Fire Retardant Proxylene Pipe, Add</i>	1.60	
			<i>For Work In Restricted Working Space, Add</i>	1.93	
22 13 16 00-1164	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	12.08	4.78
			<i>For Schedule 80, Add</i>	2.52	
			<i>For Fire Retardant Proxylene Pipe, Add</i>	2.16	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
22 13 16 00-1165	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	19.23	6.96
			<i>For Schedule 80, Add</i>	4.56	
			<i>For Fire Retardant Proxylene Pipe, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-1166	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	26.04	9.06
			<i>For Schedule 80, Add</i>	6.46	
			<i>For Fire Retardant Proxylene Pipe, Add</i>	5.53	
			<i>For Work In Restricted Working Space, Add</i>	4.08	
22 13 16 00-1167	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	42.36	13.32
			<i>For Schedule 80, Add</i>	11.65	
			<i>For Fire Retardant Proxylene Pipe, Add</i>	9.97	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 13 16 00-1168			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 13 16 00-1161)		
22 13 16 00-1169	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	38.60	16.09
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 13 16 00-1170	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	49.81	21.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-1171	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	66.99	24.33
			<i>For Work In Restricted Working Space, Add</i>	10.95	
22 13 16 00-1172	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	96.82	32.18
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-1173	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	190.57	47.52
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1174			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 13 16 00-1161)		
22 13 16 00-1175	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	38.36	16.09
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 13 16 00-1176	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	49.16	21.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-1177	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	68.24	24.33
			<i>For Work In Restricted Working Space, Add</i>	10.95	
22 13 16 00-1178	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	84.28	32.18
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-1179	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	171.13	47.52
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1180			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 13 16 00-1161)		
22 13 16 00-1181	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	69.57	34.43
			<i>For Work In Restricted Working Space, Add</i>	15.48	
22 13 16 00-1182	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	86.59	43.40
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1183	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	114.32	47.52
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1184	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	158.02	62.41
			<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1185	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	277.89	99.83
			<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1186			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 13 16 00-1161)		
22 13 16 00-1187	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	86.56	43.40
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1188	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	111.32	47.52
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1189	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	108.65	47.52
			<i>For Work In Restricted Working Space, Add</i>	21.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1190 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	151.17	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1191 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	153.75	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1192 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	258.81	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1193 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 13 16 00-1161)		
22 13 16 00-1194 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	78.34	34.43
<i>For Work In Restricted Working Space, Add</i>	15.48	
22 13 16 00-1195 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	88.71	43.40
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1196 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	120.82	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1197 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	161.01	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1198 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	240.89	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1199 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 13 16 00-1161)		
22 13 16 00-1200 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	74.50	34.43
<i>For Work In Restricted Working Space, Add</i>	15.48	
22 13 16 00-1201 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	91.15	43.40
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1202 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	117.04	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1203 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	160.27	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1204 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	319.06	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1205 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 13 16 00-1161)		
22 13 16 00-1206 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	97.18	43.40
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1207 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	113.95	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1208 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	113.95	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1209 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	157.60	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1210 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	157.60	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1211 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	283.60	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1212 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	285.67	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1213 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	259.68	99.83
<i>For Work In Restricted Working Space, Add</i>	44.90	
22 13 16 00-1214 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 13 16 00-1161)		
22 13 16 00-1215 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	92.68	43.03
<i>For Work In Restricted Working Space, Add</i>	19.36	
22 13 16 00-1216 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	115.09	54.25
<i>For Work In Restricted Working Space, Add</i>	24.41	
22 13 16 00-1217 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	156.58	59.42
<i>For Work In Restricted Working Space, Add</i>	26.73	
22 13 16 00-1218 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	218.00	77.98
<i>For Work In Restricted Working Space, Add</i>	35.08	
22 13 16 00-1219 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	388.09	124.75
<i>For Work In Restricted Working Space, Add</i>	56.13	
22 13 16 00-1220 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 13 16 00-1161)		
22 13 16 00-1221 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	67.97	34.43
<i>For Work In Restricted Working Space, Add</i>	15.48	
22 13 16 00-1222 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	88.97	43.40
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1223 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	101.85	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-1224 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	141.11	62.41
<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-1225 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	81.86	43.40
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-1226 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	98.99	47.52
<i>For Work In Restricted Working Space, Add</i>	21.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1227 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.14 21.38	47.52
22 13 16 00-1228 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	136.85 28.07	62.41
22 13 16 00-1229 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	137.58 28.07	62.41
22 13 16 00-1230 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <small>(22 13 16 00-1161)</small>		
22 13 16 00-1231 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	80.39 17.96	39.96
22 13 16 00-1232 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	107.01 23.63	52.54
22 13 16 00-1233 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	162.44 32.07	71.32
22 13 16 00-1234 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	229.37 40.82	90.78
22 13 16 00-1235 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters <small>(22 13 16 00-1161)</small>		
22 13 16 00-1236 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	37.92 7.24	16.09
22 13 16 00-1237 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	46.21 9.56	21.25
22 13 16 00-1238 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	54.27 10.95	24.33
22 13 16 00-1239 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	73.90 14.48	32.18
22 13 16 00-1240 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	109.63 21.38	47.52
22 13 16 00-1241 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 13 16 00-1161)</small>		
22 13 16 00-1242 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	36.19 7.24	16.09
22 13 16 00-1243 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	47.52 9.56	21.25
22 13 16 00-1244 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	56.67 10.95	24.33
22 13 16 00-1245 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	76.25 14.48	32.18
22 13 16 00-1246 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 13 16 00-1161)</small>		
22 13 16 00-1247 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	34.04 7.24	16.09
22 13 16 00-1248 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	43.66 9.56	21.25
22 13 16 00-1249 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	50.83 10.95	24.33
22 13 16 00-1250 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	67.23 14.48	32.18
22 13 16 00-1251 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	98.82 21.38	47.52
22 13 16 00-1252 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-1252)</small>		
22 13 16 00-1253 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-1252)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-1254 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.72	3.25
22 13 16 00-1255 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.86	3.45
22 13 16 00-1256 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.38	3.65
22 13 16 00-1257 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	11.85	3.87
22 13 16 00-1258 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.29	4.07
22 13 16 00-1259 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	16.64	4.27
22 13 16 00-1260 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	20.00	4.47
22 13 16 00-1261 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	26.77	4.87
22 13 16 00-1262 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	35.03	5.69
22 13 16 00-1263 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-1252)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-1264 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	10.35	3.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1265 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.55	3.65
22 13 16 00-1266 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	13.76	3.87
22 13 16 00-1267 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	12.35	3.87
22 13 16 00-1268 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.93	4.07
22 13 16 00-1269 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.21	4.07
22 13 16 00-1270 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	14.87	4.07
22 13 16 00-1271 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	21.50	4.27
22 13 16 00-1272 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	19.46	4.27
22 13 16 00-1273 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	26.57	4.47
22 13 16 00-1274 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	23.51	4.47
22 13 16 00-1275 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	24.36	4.47
22 13 16 00-1276 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	47.80	8.12
22 13 16 00-1277 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	39.30	8.12
22 13 16 00-1278 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	49.67	9.14
22 13 16 00-1279 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps (22 13 16)		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-1280 EA 1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	36.16	21.95
22 13 16 00-1281 EA 2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	38.82	23.33
22 13 16 00-1282 EA 3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	44.98	26.75
22 13 16 00-1283 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	59.34	35.36
22 13 16 00-1284 EA 5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	71.16	42.28
22 13 16 00-1285 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	81.94	48.78
22 13 16 00-1286 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	110.42	61.79
22 13 16 00-1287 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16)		
Note: Josam 26450 Series.		
22 13 16 00-1288 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	53.99	16.84
22 13 16 00-1289 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	57.74	18.71
22 13 16 00-1290 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	83.48	24.33
22 13 16 00-1291 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	97.50	28.06
22 13 16 00-1292 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	112.96	31.81
22 13 16 00-1293 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	175.60	35.55
22 13 16 00-1294 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16)		
Note: Josam 26440 Series		
22 13 16 00-1295 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	96.81	16.84
22 13 16 00-1296 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	100.56	18.71
22 13 16 00-1297 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	121.22	24.33
22 13 16 00-1298 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	149.75	28.06
22 13 16 00-1299 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	199.33	31.81
22 13 16 00-1300 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	206.81	35.55
22 13 16 00-1301 Cast Iron Vandal Proof Hooded Vent Cap (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-1302 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	173.01	16.84
22 13 16 00-1303 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	176.76	18.71
22 13 16 00-1304 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	205.40	24.33
22 13 16 00-1305 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	231.76	28.06
22 13 16 00-1306 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	269.73	31.81
22 13 16 00-1307 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	295.35	35.55
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	269.37	80.45
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0003 EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	298.53	90.18
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0004 EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	308.06	99.76
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0005 EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	328.61	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0006 EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	283.83	90.18
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	303.06	99.76
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	323.61	110.08
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	386.83	90.18
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	406.06	99.76
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	426.61	110.08
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	371.83	90.18
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	390.96	99.76
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	411.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	395.74	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	414.96	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	435.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	549.74	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	568.96	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	589.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	529.24	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	548.46	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0023	EA			12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	569.11	110.08
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	53.00	
				<i>For Cast Iron Dome Grate, Add</i>	28.00	
				<i>For Nikaloy Dome Grate, Add</i>	255.00	
				<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
				<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0024				Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	312.24	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0026	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	331.67	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0027	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	352.11	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0028	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	327.24	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0029	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	346.67	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0030	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	367.11	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0031	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	393.24	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0032	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	412.67	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0033	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	433.11	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0034	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	301.24	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0035	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	320.67	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0036	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	341.11	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0037	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	320.24	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0038	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	339.67	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0039	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	360.11	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0040	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	373.74	90.10
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0041	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	393.17	99.83
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0042	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	413.61	110.08
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Sediment Bucket, Add</i>	22.50	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	779.17	99.83
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	799.61	110.08
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	942.17	99.83
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	962.61	110.08
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	922.67	99.83
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	943.11	110.08
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	397.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	416.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	437.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	474.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	494.17	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	514.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	492.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	512.17	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	532.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	632.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	651.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	672.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	381.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	400.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	421.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0064 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	447.24	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0065 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	466.67	99.83
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0066 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	487.11	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0067 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	465.24	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0068 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	484.67	99.83
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0069 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	505.11	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0070 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	578.74	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0071 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	598.17	99.83
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0072 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	618.61	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Rough Bronze Body, Add</i>	120.94	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>		
22 13 19 13-0074 EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	368.44	80.45
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0075 EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	387.74	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0076 EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	406.96	99.76
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0077 EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	427.61	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0078 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	500.24	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0079 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	519.46	99.76
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0080 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	540.11	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0081 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	480.74	90.10
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	499.96	99.76
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	520.61	110.08
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Primer Tap, Add</i>	15.10	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet ^(22 13 19 13)		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	654.37	80.45
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	673.74	90.10
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	692.96	99.76
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	713.61	110.08
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	734.90	120.71
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	711.74	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	731.17	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	751.61	110.08
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	772.90	120.71
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	486.24	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	505.67	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	526.11	110.08
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	547.40	120.71
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	672.74	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	692.17	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	712.61	110.08
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	733.90	120.71
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0102 Other Drains <small>(22 13 19 13)</small>		
22 13 19 13-0103 Shower Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer	28.60	8.12
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer	31.47	8.12
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	67.04	16.26
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket	83.53	16.26
Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108 Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	370.37	80.45
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	389.74	90.10
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	408.96	99.76
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0112 Rotary And Lever Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain	161.45	54.25
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain	172.68	59.87
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	161.45	54.25
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain	172.68	59.87
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain	161.45	54.25
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain	172.68	59.87
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	161.45	54.25
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain	172.68	59.87
22 13 19 13-0121 EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	213.53	59.87
22 13 19 13-0122 Floor Receptor <small>(22 13 19 13)</small>		
22 13 19 13-0123 9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	442.36	90.18
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	461.88	99.90
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	482.11	110.08
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0127			Square Top Floor Receptors (22 13 19 13-0122) Note: With acid resistant coating.		
22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	484.94 37.50 69.00 39.50 36.00 15.50 88.00 97.00	80.45
22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	504.33 37.50 69.00 39.50 36.00 15.50 88.00 97.00	90.18
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	523.46 37.50 69.00 39.50 36.00 15.50 88.00 97.00	99.76
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	544.11 37.50 69.00 39.50 36.00 15.50 88.00 97.00	110.08
22 13 19 13-0132			Floor Drain Accesories (22 13 19 13)		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	59.44	9.36
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)..... Note: Prevents emission of sewer gases.	49.26	9.36
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)..... Note: Prevents emission of sewer gases.	53.33	9.36
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	63.51	9.36
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	57.40	9.36
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	79.96	9.36
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	88.16	9.36
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	108.51	9.36
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	674.22 1,270.65	56.13
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	784.75 344.35 1,339.73	126.28
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,099.68 353.71 1,462.24	140.31
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,322.79 363.06 1,579.31	154.34
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,479.41 402.82 1,641.66	168.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,813.04 432.72 1,802.20	196.45
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,353.55 492.39 1,915.71	224.51
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	4,558.46 712.38	252.57
22 13 19 26-0011 EA 100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	5,140.67 803.63	293.44
22 13 19 26-0012 EA 150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	6,374.20 1,081.01	469.51
22 13 19 26-0013 EA 200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	9,121.41 1,288.54	586.88
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	10,646.11 1,679.75	704.26
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	13,805.64 1,995.76	821.64
22 13 19 26-0016 EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	17,824.64 2,347.29	939.02
22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018 EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	1,880.05	154.34
22 13 19 26-0019 EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,417.80	196.45
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	3,952.16	224.51
22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,643.80 1,270.65	56.13
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,930.94 1,339.73	126.28
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,065.04 1,462.24	140.31
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,514.01 1,579.31	154.34
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,024.20 1,641.66	168.38
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,135.14 1,802.20	196.45
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,578.89 1,915.71	224.51
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,187.75	196.45
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 20 Greasestopper.	3,609.54	154.34
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,186.54	168.38



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 19 26-0035	Precast Concrete Grease Interceptor (22 13 19 26)		
	Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA 1,000 Gallon Pre-Cast Grease Interceptor.....	3,717.59	267.75
22 13 19 26-0037	EA 1,250 Gallon Pre-Cast Grease Interceptor.....	4,254.26	267.75
22 13 19 26-0038	EA 1,500 Gallon Pre-Cast Grease Interceptor.....	4,828.46	306.10
22 13 19 26-0039	EA 2,000 Gallon Pre-Cast Grease Interceptor.....	5,492.83	432.28
22 13 19 26-0040	EA 2,500 Gallon Pre-Cast Grease Interceptor.....	6,182.50	581.60
22 13 19 26-0041	EA 4,000 Gallon Pre-Cast Grease Interceptor.....	9,275.42	765.20
22 13 19 26-0042	EA 5,000 Gallon Pre-Cast Grease Interceptor.....	11,902.18	1,254.81
22 13 19 26-0043	Coated Steel Manual Oil Interceptor (22 13 19 26)		
	Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	1,770.40	213.81
22 13 19 26-0045	EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,350.97	254.05
22 13 19 26-0046	EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,850.97	312.58
22 13 19 26-0047	EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,096.44	338.59
22 13 19 26-0048	EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,678.00	369.49
22 13 19 26-0049	EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,768.58	406.48
22 13 19 26-0050	EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,786.28	467.73
22 13 19 26-0051	EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,576.26	575.49
22 13 19 26-0052	EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,447.72	623.75
22 13 19 26-0053	EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	14,495.53	748.35
22 13 19 26-0054	EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,664.25	804.49
22 13 19 26-0055	EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	20,932.63	959.40
22 13 19 26-0056	EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,904.38	786.15
22 13 19 26-0057	EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,506.31	935.44
22 13 19 33	Backwater Valves (22 13 19)		
22 13 19 33-0001	Cast Iron Body Flap Valves, Flanged (22 13 19 33)		
22 13 19 33-0002	EA 4" Flap And Flush Valve, Cast Iron, Flanged.....	565.32	213.28
22 13 19 33-0003	EA 6" Flap And Flush Valve, Cast Iron, Flanged.....	693.97	290.23
22 13 19 33-0004	EA 8" Flap And Flush Valve, Cast Iron, Flanged.....	915.36	333.76
22 13 19 33-0005	EA 10" Flap And Flush Valve, Cast Iron, Flanged.....	1,189.29	406.32
22 13 19 33-0006	EA 12" Flap And Flush Valve, Cast Iron, Flanged.....	1,398.11	493.38
22 13 19 33-0007	Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
	Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0008	EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	508.86	51.22
22 13 19 33-0009	EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	762.30	62.12
22 13 19 33-0010	EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	945.02	80.08
22 13 19 33-0011	EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,312.42	92.15
22 13 19 33-0012	EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,803.17	109.20
22 13 19 33-0013	EA 10" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,409.94	145.11
22 13 19 33-0014	Cast Iron Drainage Control Backwater Valve (22 13 19 33)		
	Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0015	EA 3" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,097.96	80.82
22 13 19 33-0016	EA 4" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,247.95	100.28
22 13 19 33-0017	EA 5" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,433.67	109.56
22 13 19 33-0018	EA 6" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,708.60	134.95
22 13 19 33-0019	Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
	Note: Oatey.		
22 13 19 33-0020	EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	164.60	62.12
22 13 19 33-0021	EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	204.89	80.08
22 13 19 33-0022	EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	371.81	92.15
22 13 19 36	Air-Admittance Valves (22 13 19)		
22 13 19 36-0001	Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002	EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	83.33	10.48
22 13 19 36-0003	EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	98.14	10.48
22 13 23	Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001	Plaster Interceptors (22 13 23)		
22 13 23 00-0002	EA 15 GPM, Low Volume, Solids Interceptor.....	354.44	105.97
22 13 23 00-0003	EA 30 GPM, High Volume, Solids Interceptor.....	914.52	247.26



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0004	Solid Interceptors, Cast Iron With Internal Deep Seal Trap <small>(22 13 23)</small>			
22 13 23 00-0005	EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>		284.92 175.00	36.25
22 13 23 00-0006	EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>		289.55 175.00	38.61
22 13 23 00-0007	Sediment Strainers <small>(22 13 23)</small>			
22 13 23 00-0008	EA 2" Strainer, Pump Suction Side		111.69	49.51
22 13 29	Sanitary Sewerage Pumps <small>(22 13)</small>			
	<small>Note: Includes extra set of gaskets, bearings and seals.</small>			
22 13 29 13	Wet-Pit-Mounted, Vertical Sewerage Pumps <small>(22 13 29)</small>			
22 13 29 13-0001	Vertical Non-Clog Sewage Pumps <small>(22 13 29 13)</small>			
22 13 29 13-0002	1-1/2" Solids 1750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>			
22 13 29 13-0003	EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM		8,408.45	897.73
22 13 29 13-0004	EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM		8,814.92	897.73
22 13 29 13-0005	EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM		9,221.39	897.73
22 13 29 13-0006	EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM		9,609.10	897.73
22 13 29 13-0007	2" Solids 1750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>			
22 13 29 13-0008	EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		9,534.06	897.73
22 13 29 13-0009	EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		9,690.40	897.73
22 13 29 13-0010	EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		9,799.83	897.73
22 13 29 13-0011	EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		10,550.24	897.73
22 13 29 13-0012	EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		11,285.01	897.73
22 13 29 13-0013	EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		12,410.63	897.73
22 13 29 13-0014	EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		13,536.24	897.73
22 13 29 13-0015	EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....		15,255.76	1,194.68
22 13 29 13-0016	3" Solids 1750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>			
22 13 29 13-0017	EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		10,317.40	897.73
22 13 29 13-0018	EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		10,317.40	897.73
22 13 29 13-0019	EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		10,588.26	897.73
22 13 29 13-0020	EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM		12,689.90	897.73
22 13 29 13-0021	EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		13,058.56	897.73
22 13 29 13-0022	EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		15,385.45	1,194.68
22 13 29 13-0023	EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....		16,323.46	1,194.68
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less <small>(22 13 29 13-0001)</small>			
22 13 29 13-0025	EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....		519.49	
22 13 29 13-0026	EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....		623.75	
22 13 29 13-0027	EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....		697.18	
22 13 29 13-0028	EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....		709.88	
22 13 29 13-0029	EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....		796.91	
22 13 29 13-0030	Float Switches <small>(22 13 29 13-0001)</small>			
	<small>Note: Copper coated floats, brass rods and stops and switch brackets.</small>			
22 13 29 13-0031	EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps		466.91	
22 13 29 13-0032	EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps		490.48	
22 13 29 13-0033	EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....		501.36	
22 13 29 13-0034	Square Or Round Steel Sump Covers <small>(22 13 29 13-0001)</small>			
22 13 29 13-0035	EA 24" Steel Sump Covers, Square Or Round.....		444.46	29.94
22 13 29 13-0036	EA 30" Steel Sump Covers, Square Or Round.....		492.16	33.67
22 13 29 13-0037	EA 36" Steel Sump Covers, Square Or Round.....		682.18	44.90
22 13 29 13-0038	EA 40" Steel Sump Covers, Square Or Round.....		984.79	52.39
22 13 29 13-0039	EA 42" Steel Sump Covers, Square Or Round.....		1,054.93	54.25
22 13 29 13-0040	EA 48" Steel Sump Covers, Square Or Round.....		1,127.35	56.13
22 13 29 13-0041	EA 54" Steel Sump Covers, Square Or Round.....		1,434.42	67.36
22 13 29 13-0042	EA 60" Steel Sump Covers, Square Or Round.....		1,936.30	74.84
22 13 29 13-0043	EA 72" Steel Sump Covers, Square Or Round.....		2,455.35	93.55
22 13 29 13-0044	EA 84" Steel Sump Covers, Square Or Round.....		3,114.72	102.90
22 13 29 16	Submersible Sewerage Pumps <small>(22 13 29)</small>			
	<small>Note: Includes 25' of cord with pumps unless otherwise noted.</small>			
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller <small>(22 13 29 16)</small>			
22 13 29 16-0002	Submersible Sewage Pumps With Cast Iron Vortex Impeller <small>(22 13 29 16-0001)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	486.61	54.47
22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	637.04	54.47
22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	767.21	68.09
22 13 29 16-0006 Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	727.38	54.47
22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	890.10	68.09
22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,075.93	109.75
22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,181.23	134.13
22 13 29 16-0011 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,576.55	68.09
22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,746.17	112.49
22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,253.35	137.48
22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,619.82	166.65
22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,052.97	195.81
22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,187.15	224.98
22 13 29 16-0018 Submersible Sewage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	287.73	61.67
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	677.15	82.23
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	880.27	82.23
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	982.25	102.78
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump.....	221.86	41.11
22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump	83.18	20.56
22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	417.22	61.67
22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)		
22 13 29 33-0001 Sewage Pump Basin (22 13 29 33)		
22 13 29 33-0002 High Density Polyethylene Basin (22 13 29 33-0001)		
22 13 29 33-0003 EA 18" Diameter x 24" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	96.15	
22 13 29 33-0004 EA 18" Diameter x 30" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	123.85	
22 13 29 33-0005 EA 24" Diameter x 30" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	278.56	
22 13 29 33-0006 EA 24" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	390.13	
22 13 29 33-0007 EA 30" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	501.71	
22 13 29 33-0008 EA 36" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	583.32	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	169.56	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	329.61	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	580.84	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	776.22	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	892.53	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	942.78	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,104.69	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,281.49	

END OF SECTION 22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels where the number of terminations is not known.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 00-0001 Retrofit Distribution Enclosures ^(26 01 10)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 00-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	277.96
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	56.82
		For > 20 To 50, Add	45.45
		For > 50 To 100, Add	22.73
26 01 10 00-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	359.42
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	77.18
		For > 20 To 50, Add	61.74
		For > 50 To 100, Add	30.87
26 01 10 00-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	538.62
		Note: 4mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	121.98
		For > 20 To 50, Add	97.58
		For > 50 To 100, Add	48.79
26 01 10 00-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	275.64
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	56.24
		For > 20 To 50, Add	44.99
		For > 50 To 100, Add	22.49
26 01 10 00-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	277.07
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	56.59
		For > 20 To 50, Add	45.27
		For > 50 To 100, Add	22.64
26 01 10 00-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	352.78
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	75.52
		For > 20 To 50, Add	60.42
		For > 50 To 100, Add	30.21
26 01 10 00-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	523.89
		Note: 4mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	118.30
		For > 20 To 50, Add	94.64
		For > 50 To 100, Add	47.32
26 01 10 00-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	219.31
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	42.15
		For > 20 To 50, Add	33.72
		For > 50 To 100, Add	16.86
26 01 10 00-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	307.29
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	64.15
		For > 20 To 50, Add	51.32
		For > 50 To 100, Add	25.66
26 01 10 00-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	435.58
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	96.22
		For > 20 To 50, Add	76.98
		For > 50 To 100, Add	38.49
26 01 10 00-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	397.51
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	86.70
		For > 20 To 50, Add	69.36
		For > 50 To 100, Add	34.68
26 01 10 00-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	544.70
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	123.50
		For > 20 To 50, Add	98.80
		For > 50 To 100, Add	49.40

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 00-0014	EA		4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	994.24	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	235.89	
			For > 20 To 50, Add	188.71	
			For > 50 To 100, Add	94.35	
26 01 10 00-0015	EA		3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	456.01	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	101.33	
			For > 20 To 50, Add	81.06	
			For > 50 To 100, Add	40.53	
26 01 10 00-0016	EA		4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	669.13	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	154.61	
			For > 20 To 50, Add	123.69	
			For > 50 To 100, Add	61.84	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 00-0001			Lock Out/Tag Out Devices <small>(26 01 20)</small>		
			Note: Includes the installation and removal of identifying markers and securing equipment.		
26 01 20 00-0002	EA		Lock Out/Tag Out Local Disconnect	20.59	
26 01 20 00-0003	EA		Lock Out/Tag Out Breaker Or Motor Starter	30.77	
26 01 20 00-0004	EA		Lock Out/Tag Out Tags.....	2.56	
26 01 20 00-0005	EA		Existing Circuit Tracing Per Device.....	17.13	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 00-0001			Emergency Generator Permits <small>(26 01 30)</small>		
26 01 30 00-0002			Air Pollution Control Board <small>(26 01 30 00-0001)</small>		
26 01 30 00-0003	EA		APCD Permit To Construct And Operate Emergency Generator.....	2,365.94	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001			Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
			Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0123 for disposal of hazardous lamps.		
26 01 50 51-0002			Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA		300 Watt, T3, Tungsten Halogen Lamp	38.60	
26 01 50 51-0004	EA		500 Watt, T3, Tungsten Halogen Lamp	51.78	
26 01 50 51-0005	EA		1,000 Watt, T3, Tungsten Halogen Lamp	80.11	
26 01 50 51-0006	EA		90 Watt, PAR38, Halogen Lamp	13.71	

26 01 50 51-0007 Incandescent Lamps (26 01 50 51-0001)

26 01 50 51-0008	EA		100 Watt, Frosted, Interior Incandescent Lamp	2.73	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0009	EA		150 Watt, Frosted, Interior Incandescent Lamp	4.24	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0010	EA		200 Watt, Frosted, Interior Incandescent Lamp	5.92	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0011	EA		300 Watt, PS25, Interior Incandescent Lamp	8.02	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0012	EA		60 Watt, G25, Clear, Interior Incandescent Lamp	5.19	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0013	EA		75 Watt, R20, Interior Incandescent Lamp	9.48	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0014	EA		75 Watt, PAR38, Exterior Incandescent Lamp	12.43	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0015	EA		100 Watt, PAR38, Exterior Incandescent Lamp	11.26	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0016	EA		150 Watt, PAR38, Exterior Incandescent Lamp	22.42	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0017	EA		250 Watt, PAR38, Exterior Incandescent Lamp	49.87	
			For Multiple Lamps In Fixture, Deduct	-0.94	
26 01 50 51-0018	EA		300 Watt, PAR56, Exterior Incandescent Lamp	58.06	
			For Multiple Lamps In Fixture, Deduct	-0.94	

26 01 50 51-0019 Exit Light Lamps (26 01 50 51-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0020 EA Convert Exit Light Lamps To Red LED Lamps	51.70	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0021 EA Fluorescent Lamp For Exit Light	15.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.69	
26 01 50 51-0022 EA Lamp Replacement For Emergency Lights On Exit Sign	30.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0023 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0024 EA 18", 15 Watt, T8 Fluorescent Lamp	4.75	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0025 EA 2', 17 Watt, T8 Fluorescent Lamp	6.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0026 EA 3', 25 Watt, T8 Fluorescent Lamp	6.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0027 EA 4', 32 Watt, T8 Fluorescent Lamp	6.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0028 EA 4', 30 Watt, T8 Fluorescent Lamp	9.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0029 EA 4', 28 Watt, T8 Fluorescent Lamp	7.82	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0030 EA 4', 25 Watt, T8 Fluorescent Lamp	7.77	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0031 EA 4', 44 Watt, T8HO Fluorescent Lamp	13.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0032 EA 8', 59 Watt, T8 Fluorescent Lamp	9.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0033 EA 18", 15 Watt, T12 Fluorescent Lamp	7.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0034 EA 2', 20 Watt, T12 Fluorescent Lamp	5.66	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0035 EA 3', 30 Watt, T12 Fluorescent Lamp	6.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0036 EA 4', 34 Watt, T12 Fluorescent Lamp	6.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0037 EA 4', 40 Watt, T12 Fluorescent Lamp	6.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0038 EA 8', 60 Watt, T12 Fluorescent Lamp	10.21	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0039 EA 8', 75 Watt, T12 Fluorescent Lamp	8.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0040 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	15.79	
26 01 50 51-0041 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	8.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0042 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	6.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0043 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	6.12	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0044 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	6.93	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0045 EA 6", 4 Watt, T5 Fluorescent Lamp	5.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0046 EA 9", 6 Watt, T5 Fluorescent Lamp	5.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0047 EA 12", 8 Watt, T5 Fluorescent Lamp	5.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0048 EA 21", 13 Watt, T5 Fluorescent Lamp	5.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0049 EA 24", 14 Watt, T5 Fluorescent Lamp	7.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0050 EA 34", 21 Watt, T5 Fluorescent Lamp	7.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0051 EA 46", 28 Watt, T5 Fluorescent Lamp	7.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0052 EA 46", 54 Watt T5HO Fluorescent Lamp	8.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0053 EA 46", 54 Watt T5 Fluorescent Lamp	9.51	
26 01 50 51-0054 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	12.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0055 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	11.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0056 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	11.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	
26 01 50 51-0057 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	4.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	
26 01 50 51-0058 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	5.15	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	
26 01 50 51-0059 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	14.87	
26 01 50 51-0060 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	14.87	
26 01 50 51-0061 EA 32 Watt 2D (DoubleD) Fluorescent Lamp	30.00	
26 01 50 51-0062 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	10.25	

26 01 50 51-0063 Metal Halide Lamps (26 01 50 51-0001)

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064	EA		50 Watt, Pulse Start Metal Halide Lamp	19.49	
			<i>For Pulse Start Lamps, Add</i>	1.26	
26 01 50 51-0065	EA		70 Watt, Pulse Start Metal Halide Lamp	23.15	
			<i>For Pulse Start Lamps, Add</i>	1.62	
26 01 50 51-0066	EA		100 Watt, Pulse Start Metal Halide Lamp	24.12	
			<i>For Pulse Start Lamps, Add</i>	1.72	
26 01 50 51-0067	EA		150 Watt, Pulse Start Metal Halide Lamp	25.69	
			<i>For Pulse Start Lamps, Add</i>	1.88	
26 01 50 51-0068	EA		175 Watt, Probe Start Metal Halide Lamp.....	21.87	
26 01 50 51-0069	EA		175 Watt, Pulse Start Metal Halide Lamp	30.38	
26 01 50 51-0070	EA		250 Watt, Probe Start Metal Halide Lamp.....	19.62	
26 01 50 51-0071	EA		250 Watt, Pulse Start Metal Halide Lamp	27.65	
26 01 50 51-0072	EA		400 Watt, Probe Start Metal Halide Lamp.....	22.11	
26 01 50 51-0073	EA		400 Watt, Pulse Start Metal Halide Lamp	27.89	
26 01 50 51-0074	EA		1,000 Watt, Probe Start Metal Halide Lamp.....	28.84	
26 01 50 51-0075	EA		1,000 Watt, Pulse Start Metal Halide Lamp	32.10	
26 01 50 51-0076	EA		1,500 Watt, Probe Start Metal Halide Lamp.....	36.30	
26 01 50 51-0077			High Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0078	EA		35 Watt, High Pressure Sodium Lamp.....	18.78	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0079	EA		50 Watt, High Pressure Sodium Lamp.....	18.78	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0080	EA		70 Watt, High Pressure Sodium Lamp.....	19.08	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0081	EA		100 Watt, High Pressure Sodium Lamp	19.72	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0082	EA		150 Watt, High Pressure Sodium Lamp	20.27	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0083	EA		250 Watt, High Pressure Sodium Lamp	18.89	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0084	EA		400 Watt, High Pressure Sodium Lamp	20.83	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01 50 51-0085	EA		1,000 Watt, High Pressure Sodium Lamp.....	47.83	
26 01 50 51-0086			Low Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0087	EA		35 Watt, Low Pressure Sodium Lamp.....	47.75	
26 01 50 51-0088	EA		55 Watt, Low Pressure Sodium Lamp.....	53.68	
26 01 50 51-0089	EA		70 Watt, Low Pressure Sodium Lamp.....	55.02	
26 01 50 51-0090	EA		90 Watt, Low Pressure Sodium Lamp.....	56.36	
26 01 50 51-0091	EA		135 Watt, Low Pressure Sodium Lamp	61.70	
26 01 50 51-0092	EA		180 Watt, Low Pressure Sodium Lamp.....	85.76	
26 01 50 51-0093			LED Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0094	EA		3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	12.43	
26 01 50 51-0095	EA		8 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	21.90	
26 01 50 51-0096	EA		11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	29.12	
26 01 50 51-0097	EA		13.5 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	23.95	
26 01 50 51-0098	EA		8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	25.12	
26 01 50 51-0099	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	42.42	
26 01 50 51-0100	EA		8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	28.33	
26 01 50 51-0101	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	34.94	
26 01 50 51-0102	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	41.10	
26 01 50 51-0103	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	37.44	
26 01 50 51-0104	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	38.64	
26 01 50 51-0105	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	41.83	
26 01 50 51-0106	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	43.40	
26 01 50 51-0107	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	25.67	
26 01 50 51-0108	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	37.79	
26 01 50 51-0109	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.96	
26 01 50 51-0110	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.96	
26 01 50 51-0111	EA		4 Watt (20 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	26.02	
26 01 50 51-0112	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.55	
26 01 50 51-0113	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	35.43	
26 01 50 51-0114	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.32	
26 01 50 51-0115	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	39.55	
26 01 50 51-0116	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	41.32	
26 01 50 51-0117	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	43.91	
26 01 50 51-0118	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	42.49	
26 01 50 51-0119	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	20.76	
26 01 50 51-0120	EA		6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	25.29	
26 01 50 51-0121	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	28.33	
26 01 50 51-0122	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	36.10	
26 01 50 51-0123			Recycle Hazardous Lamps <small>(26 01 50 51)</small>		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift, 26 01 50 51-0001 for removal of lamps from fixtures.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0124 EA Recycle 2' Length Linear Fluorescent Lamps	0.23	
26 01 50 51-0125 EA Recycle 3' Length Linear Fluorescent Lamps	0.34	
26 01 50 51-0126 EA Recycle 4' Length Linear Fluorescent Lamps	0.45	
26 01 50 51-0127 EA Recycle 6' Length Linear Fluorescent Lamps	0.68	
26 01 50 51-0128 EA Recycle 8' Length Linear Fluorescent Lamps	0.91	
26 01 50 51-0129 EA Recycle Compact Fluorescent Lamps	0.41	
26 01 50 51-0130 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.41	
26 01 50 51-0131 EA Recycle HID Lamps	1.42	
26 01 50 52 Ballasts And Accessories (26 01 50)		
26 01 50 52-0001 HID Ballasts (26 01 50 52)		
26 01 50 52-0002 Magnetic HID Ballasts (26 01 50 52-0001)		
26 01 50 52-0003 Core And Coil HID Ballasts (26 01 50 52-0002)		
26 01 50 52-0004 Metal Halide, Core And Coil HID Ballasts (26 01 50 52-0003)		
26 01 50 52-0005 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	87.88	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0006 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	90.26	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0007 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	90.26	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0008 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	79.56	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0009 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	79.56	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0010 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	128.89	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0011 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	128.89	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0012 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	168.89	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0013 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	189.29	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0014 High Pressure Sodium, Core And Coil HID Ballasts (26 01 50 52-0003)		
26 01 50 52-0015 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	78.47	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0016 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	83.79	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0017 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	81.50	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0018 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	97.49	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0019 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	95.21	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0020 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	110.05	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0021 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	110.05	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0022 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	134.74	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0023 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	134.74	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0024 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	221.36	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0025 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	221.36	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0026 Mounting Brackets For Core And Coil HID Ballasts (26 01 50 52-0003)		
26 01 50 52-0027 EA Single Mounting Bracket For Core And Coil Type	7.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.22	
26 01 50 52-0028 EA Double Mounting Bracket For Core And Coil Type	12.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.84	
26 01 50 52-0029 F-Can HID Ballasts (26 01 50 52-0002)		
26 01 50 52-0030 Metal Halide, F-Can HID Ballasts (26 01 50 52-0029)		
26 01 50 52-0031 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	114.09	10.20
For Pulse Start Ballast, Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0032 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	120.69	10.20
For Pulse Start Ballast, Add	10.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 01 50 52-0033 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	109.09	10.20
For Pulse Start Ballast, Add	9.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0034	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	128.16	10.20
			<i>For Pulse Start Ballast, Add</i>	11.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0035	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	181.58	10.20
			<i>For Pulse Start Ballast, Add</i>	16.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0036			High Pressure Sodium, F-Can HID Ballasts <small>(26 01 50 52-0029)</small>		
26 01 50 52-0037	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can HID Ballast.....	139.11	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0038	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can HID Ballast.....	149.40	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0039			Postline HID Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0040			Metal Halide, Postline HID Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041	EA		1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline HID Ballast.....	237.77	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0042			High Pressure Sodium, Postline HID Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0043	EA		1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	385.98	20.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0044	EA		1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	429.85	20.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0045	EA		1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	414.67	20.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0046			Indoor Enclosed HID Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0047			Metal Halide, Indoor Enclosed HID Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048	EA		1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	294.92	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0049	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	336.00	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0050	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	446.79	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0051	EA		1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	444.40	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0052	EA		2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	625.87	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0053	EA		2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	625.87	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0054	EA		1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	428.10	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0055	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	505.31	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0056			High Pressure Sodium, Indoor Enclosed HID Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0057	EA		1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed HID Ballast.....	558.41	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0058	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed HID Ballast.....	531.20	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0059	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed HID Ballast.....	685.48	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0060	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed HID Ballast.....	685.48	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0061			Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0062			Metal Halide, Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0063	EA		1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	332.56	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0064	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	359.98	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0065	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	357.28	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0066	EA		1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	375.65	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0067	EA		2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	601.91	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0068	EA		2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	742.18	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0069	EA		1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	561.60	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0070	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	510.45	10.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0071 High Pressure Sodium, Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0072 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	432.05	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0073 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof HID Ballast.....	466.64	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0074 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	701.45	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0075 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof HID Ballast.....	602.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0076 Electronic HID Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0077 Electronic Low Frequency HID Ballasts <small>(26 01 50 52-0076)</small>		
26 01 50 52-0078 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	127.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0079 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	127.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0080 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	144.58	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0081 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0082 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0083 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0084 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0085 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0086 Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0087 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	8.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.45	
26 01 50 52-0088 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	10.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.06	
26 01 50 52-0089 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	11.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.55	
26 01 50 52-0090 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	12.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.80	
26 01 50 52-0091 EA Install Owner Supplied, 1 Lamp HID Ballast.....	14.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.28	
26 01 50 52-0092 EA Install Owner Supplied, 2 Lamp HID Ballast.....	15.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.53	
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement.....	83.78	
26 01 50 53-0002 EA Visor For Fixtures.....	159.75	
26 01 50 53-0003 EA Replace Globe On Pole.....	201.93	
26 01 50 53-0004 EA Replace Lenses For Flat Top Pole Fixtures.....	74.66	
26 01 50 53-0005 EA Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	24.05	
26 01 50 53-0006 EA Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	25.26	
26 01 50 53-0007 EA Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	30.54	
26 01 50 53-0008 EA Replace Slide-On Lampholder.....	10.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0009 EA Replace Screw Mount Lampholder.....	10.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0010 EA Replace Medium Bi-Pin Lampholder.....	11.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0011 EA Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	14.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0012 EA Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	16.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0013 EA Replace Compact Twin-Tube Lampholder, Snap-in.....	11.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 01 50 53-0014 EA Replace Exterior Light Globes.....	39.03	
26 05 Common Work Results For Electrical <small>(26)</small>		
26 05 13 Medium-Voltage Cables <small>(26 05)</small>		
26 05 13 00-0001 Wire And Cable <small>(26 05 13)</small>		
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 00-0002 5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0003 Shielded, XLP Insulation 5 KV, Single Copper Conductor <small>(26 05 13 00-0002)</small>		
Note: Conductor pulled in duct, 133 percent insulation.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0004 MLF #6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,832.64	657.27
26 05 13 00-0005 MLF #4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,402.27	717.68
26 05 13 00-0006 MLF #2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,097.89	810.86
26 05 13 00-0007 MLF #1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,361.24	999.02
26 05 13 00-0008 MLF #2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,116.81	1,124.99
26 05 13 00-0009 MLF #3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,615.75	1,248.70
26 05 13 00-0010 MLF #4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,574.34	1,403.05
26 05 13 00-0011 MLF 250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,264.25	1,560.95
26 05 13 00-0012 MLF 350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,929.00	1,863.74
26 05 13 00-0013 MLF 500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	15,169.63	2,190.78
26 05 13 00-0014 MLF 750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	21,391.94	1,873.11
26 05 13 00-0015 MLF 1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	31,158.53	2,973.18
26 05 13 00-0016 Shielded, XLP Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0017 MLF #6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,750.48	
26 05 13 00-0018 MLF #4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,169.03	
26 05 13 00-0019 MLF #2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,631.64	
26 05 13 00-0020 MLF #1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,579.06	
26 05 13 00-0021 MLF #2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,019.64	
26 05 13 00-0022 MLF #3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,363.27	
26 05 13 00-0023 MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,936.02	
26 05 13 00-0024 MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,389.12	
26 05 13 00-0025 MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,378.89	
26 05 13 00-0026 MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	11,875.81	
26 05 13 00-0027 Shielded, XLP Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
Note: Installed on poles, aerially, 133 percent insulation.		
26 05 13 00-0028 MLF #6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,279.86	410.80
26 05 13 00-0029 MLF #4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,777.33	440.46
26 05 13 00-0030 MLF #2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,549.09	557.00
26 05 13 00-0031 MLF #1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,658.49	676.19
26 05 13 00-0032 MLF #2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,411.19	793.78
26 05 13 00-0033 MLF #3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,903.39	907.77
26 05 13 00-0034 MLF #4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,862.28	1,053.26
26 05 13 00-0035 MLF 250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,879.04	1,325.07
26 05 13 00-0036 MLF 350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,719.73	1,676.63
26 05 13 00-0037 MLF 500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	15,283.99	2,106.53
26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 00-0002)		
26 05 13 00-0039 MLF 1/0 5 KV Non-Shielded, Single Copper Conductor	6,247.80	1,309.87
26 05 13 00-0040 MLF 3/0 5 KV Non-Shielded, Single Copper Conductor	8,423.22	1,347.51
26 05 13 00-0041 MLF 4/0 5 KV Non-Shielded, Single Copper Conductor	8,794.84	1,377.29
26 05 13 00-0042 MLF 350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	10,689.23	1,429.83
26 05 13 00-0043 MLF 500 MCM 5 KV Non-Shielded, Single Copper Conductor.....	15,638.73	1,498.48
26 05 13 00-0044 MLF 750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	24,503.62	1,873.11
26 05 13 00-0045 MLF 1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	28,046.63	2,497.50
26 05 13 00-0046 Shielded, EPR Insulation 5 KV, Single Copper Conductor (26 05 13 00-0002)		
Note: Conductor pulled in duct, 133 percent insulation.		
26 05 13 00-0047 MLF #6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,046.76	657.27
26 05 13 00-0048 MLF #4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,691.73	717.68
26 05 13 00-0049 MLF #2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,470.62	810.86
26 05 13 00-0050 MLF #1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,173.54	904.90
26 05 13 00-0051 MLF #1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,876.71	999.02
26 05 13 00-0052 MLF #2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	6,711.59	1,124.99
26 05 13 00-0053 MLF #3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	8,424.65	1,248.70
26 05 13 00-0054 MLF #4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	9,486.33	1,403.05
26 05 13 00-0055 MLF 250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	11,409.40	1,560.95
26 05 13 00-0056 MLF 350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	13,237.51	1,863.74
26 05 13 00-0057 MLF 500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	16,914.32	2,190.78
26 05 13 00-0058 MLF 750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	24,399.59	1,873.11
26 05 13 00-0059 MLF 1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	35,429.13	2,973.18
26 05 13 00-0060 Shielded, EPR Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0061 MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,964.60	
26 05 13 00-0062 MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,458.49	
26 05 13 00-0063 MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,004.37	
26 05 13 00-0064 MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,549.81	
26 05 13 00-0065 MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,094.53	
26 05 13 00-0066 MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,614.42	
26 05 13 00-0067 MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,172.17	
26 05 13 00-0068 MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,848.01	
26 05 13 00-0069 MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,534.27	
26 05 13 00-0070 MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	10,687.41	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0071	MLF			500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	13,620.50	
26 05 13 00-0072				Shielded, EPR Insulated, 5 KV, Single Copper Conductor <small>(26 05 13 00-0002)</small>		
				Note: Installed on poles, aerially, 133 percent insulation.		
26 05 13 00-0073	MLF			#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,493.98	410.80
26 05 13 00-0074	MLF			#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,066.79	440.46
26 05 13 00-0075	MLF			#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,921.82	557.00
26 05 13 00-0076	MLF			#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,546.77	616.15
26 05 13 00-0077	MLF			#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	5,173.96	676.19
26 05 13 00-0078	MLF			#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	6,005.97	793.78
26 05 13 00-0079	MLF			#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	7,712.29	907.77
26 05 13 00-0080	MLF			#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	8,774.27	1,053.26
26 05 13 00-0081	MLF			250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	11,024.19	1,325.07
26 05 13 00-0082	MLF			350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	13,028.25	1,676.63
26 05 13 00-0083	MLF			500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	17,028.68	2,106.53
26 05 13 00-0084				Greater Than 5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0085				XLP, 15 KV, Shielded, Single Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>		
26 05 13 00-0086				Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
26 05 13 00-0087	MLF			#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,936.89	1,309.87
26 05 13 00-0088	MLF			#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,478.46	1,309.87
26 05 13 00-0089	MLF			#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,685.04	1,309.87
26 05 13 00-0090	MLF			#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,357.99	1,309.87
26 05 13 00-0091	MLF			#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,996.72	1,309.87
26 05 13 00-0092	MLF			#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,212.28	1,367.28
26 05 13 00-0093	MLF			#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,463.21	1,367.28
26 05 13 00-0094	MLF			250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,988.47	1,429.83
26 05 13 00-0095	MLF			350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,543.61	1,463.36
26 05 13 00-0096	MLF			500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,174.94	1,498.48
26 05 13 00-0097				Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
				Note: Buried in trench, excludes excavation.		
26 05 13 00-0098	MLF			#1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,276.01	
26 05 13 00-0099	MLF			#1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,948.95	
26 05 13 00-0100	MLF			#2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,587.68	
26 05 13 00-0101	MLF			#3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,821.37	
26 05 13 00-0102	MLF			#4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,212.29	
26 05 13 00-0103	MLF			250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,674.85	
26 05 13 00-0104	MLF			350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,232.45	
26 05 13 00-0105	MLF			500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation.....	13,848.76	
26 05 13 00-0106				Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
				Note: Installed on poles.		
26 05 13 00-0107	MLF			#1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,967.93	586.84
26 05 13 00-0108	MLF			#1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,878.04	676.19
26 05 13 00-0109	MLF			#2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,828.89	793.78
26 05 13 00-0110	MLF			#3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,203.69	907.77
26 05 13 00-0111	MLF			#4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,840.75	1,053.26
26 05 13 00-0112	MLF			250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,668.47	1,226.14
26 05 13 00-0113	MLF			350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,677.54	1,428.77
26 05 13 00-0114	MLF			500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,833.97	1,659.64
26 05 13 00-0115				Shielded, EPR Insulated <small>(26 05 13 00-0084)</small>		
26 05 13 00-0116				Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
26 05 13 00-0117	MLF			#4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,416.09	1,309.87
26 05 13 00-0118	MLF			#2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,055.14	1,309.87
26 05 13 00-0119	MLF			#1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,298.90	1,309.87
26 05 13 00-0120	MLF			#1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,092.98	1,309.87
26 05 13 00-0121	MLF			#2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,846.68	1,309.87
26 05 13 00-0122	MLF			#3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,255.24	1,367.28
26 05 13 00-0123	MLF			#4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,551.33	1,367.28
26 05 13 00-0124	MLF			250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,322.96	1,429.83
26 05 13 00-0125	MLF			350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	14,142.95	1,463.36
26 05 13 00-0126	MLF			500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	17,232.11	1,498.48

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0127			Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small> Note: Buried in trench, excludes excavation.		
26 05 13 00-0128	MLF		#1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,889.88	
26 05 13 00-0129	MLF		#1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,683.95	
26 05 13 00-0130	MLF		#2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,437.65	
26 05 13 00-0131	MLF		#3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,864.33	
26 05 13 00-0132	MLF		#4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,160.42	
26 05 13 00-0133	MLF		250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,005.46	
26 05 13 00-0134	MLF		350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,825.91	
26 05 13 00-0135	MLF		500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	15,905.93	
26 05 13 00-0136			Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small> Note: Installed on poles.		
26 05 13 00-0137	MLF		#1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,581.80	586.84
26 05 13 00-0138	MLF		#1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,613.04	676.19
26 05 13 00-0139	MLF		#2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,678.86	793.78
26 05 13 00-0140	MLF		#3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,246.65	907.77
26 05 13 00-0141	MLF		#4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,928.87	1,053.26
26 05 13 00-0142	MLF		250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,002.96	1,226.14
26 05 13 00-0143	MLF		350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	14,276.87	1,428.77
26 05 13 00-0144	MLF		500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	17,891.14	1,659.64
26 05 13 00-0145			15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0084)</small>		
26 05 13 00-0146	MLF		1/0 15 KV Non-Shielded, Single Copper Conductor	8,827.98	1,314.45
26 05 13 00-0147	MLF		3/0 15 KV Non-Shielded, Single Copper Conductor	11,653.33	1,377.29
26 05 13 00-0148	MLF		350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	16,248.60	1,469.08
26 05 13 00-0149			Shielded Armored Copper, 15 KV, 3 Conductor <small>(26 05 13 00-0084)</small> Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150			Galvanized Steel Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0151	LF		#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	39.89	10.02
26 05 13 00-0152	LF		#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.35	10.68
26 05 13 00-0153			Aluminum Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0154	LF		#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	39.89	10.02
26 05 13 00-0155	LF		#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.35	10.68
26 05 13 00-0156			Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small> Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157	MLF		#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,934.32	657.27
26 05 13 00-0158	MLF		#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,539.72	717.68
26 05 13 00-0159	MLF		#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	4,274.88	810.86
26 05 13 00-0160	MLF		#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,599.36	996.30
26 05 13 00-0161	MLF		#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	6,390.81	1,121.61
26 05 13 00-0162	MLF		#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	7,999.85	1,248.70
26 05 13 00-0163	MLF		#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	8,994.30	1,397.81
26 05 13 00-0164			15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>		
26 05 13 00-0165	MLF		15 KV 3/C URD Cable Copper Direct Burial #6	15,600.66	
26 05 13 00-0166			Greater Than 25 KV Shielded Single Conductor Copper <small>(26 05 13 00-0084)</small>		
26 05 13 00-0167			35 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0168	MLF		3/0 35 KV Shielded, Single Copper Conductor	15,707.41	2,161.90
26 05 13 00-0169			70 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0170	MLF		350 MCM 70 KV Shielded, Single Copper Conductor.....	54,248.74	2,464.60
26 05 13 00-0171			Wire Connections <small>(26 05 13 00-0001)</small>		
26 05 13 00-0172			Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0173			Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>		
26 05 13 00-0174	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	205.35	82.23
26 05 13 00-0175	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.21	82.23
26 05 13 00-0176	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	241.21	82.23
26 05 13 00-0177	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	265.67	98.67
26 05 13 00-0178	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	265.67	98.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0179 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.67	98.67
26 05 13 00-0180 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0181 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0182 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0183 Cable Termination Without Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0184 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	198.80	98.67
26 05 13 00-0185 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	234.52	115.12
26 05 13 00-0186 Cable Termination With Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0187 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	699.68	197.35
26 05 13 00-0188 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	967.55	271.34
26 05 13 00-0189 Connect To Pothead, Pothead Included <small>(26 05 13 00-0172)</small>		
26 05 13 00-0190 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	721.34	197.35
26 05 13 00-0191 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	897.86	226.12
26 05 13 00-0192 Two Conductor Pothead <small>(26 05 13 00-0172)</small>		
Note: Includes 5 KV pothead.		
26 05 13 00-0193 EA #6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	678.63	271.34
26 05 13 00-0194 EA 250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	880.90	345.35
26 05 13 00-0195 EA 400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,193.50	391.55
26 05 13 00-0196 EA 750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,734.40	456.84
26 05 13 00-0197 EA 1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,012.01	685.19
26 05 13 00-0198 Three Conductor Pothead <small>(26 05 13 00-0172)</small>		
Note: Includes 5 KV pothead.		
26 05 13 00-0199 EA #6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,926.08	394.68
26 05 13 00-0200 EA 250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,141.25	460.46
26 05 13 00-0201 Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
Note: For bare wire.		
26 05 13 00-0202 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	52.98	
26 05 13 00-0203 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	58.13	
26 05 13 00-0204 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	67.81	
26 05 13 00-0205 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	77.18	
26 05 13 00-0206 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	86.96	
26 05 13 00-0207 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	96.58	
26 05 13 00-0208 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	106.14	
26 05 13 00-0209 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	115.99	
26 05 13 00-0210 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	125.65	
26 05 13 00-0211 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	135.46	
26 05 13 00-0212 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	145.43	
26 05 13 00-0213 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	154.99	
26 05 13 00-0214 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	174.82	
26 05 13 00-0215 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	195.04	
26 05 13 00-0216 Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
Note: For bare wire.		
26 05 13 00-0217 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire	53.76	
26 05 13 00-0218 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire	58.56	
26 05 13 00-0219 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire	78.59	
26 05 13 00-0220 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire	90.55	
26 05 13 00-0221 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	99.97	
26 05 13 00-0222 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	109.37	
26 05 13 00-0223 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	119.74	
26 05 13 00-0224 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	129.62	
26 05 13 00-0225 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire	139.33	
26 05 13 00-0226 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire	149.21	
26 05 13 00-0227 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire	158.96	
26 05 13 00-0228 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire	180.51	
26 05 13 00-0229 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire	202.15	
26 05 13 00-0230 15 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0231 Single Conductor Pothead On Racks <small>(26 05 13 00-0230)</small>		
Note: Includes pothead.		
26 05 13 00-0232 EA #2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	835.66	345.35
26 05 13 00-0233 EA 250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,055.93	427.57
26 05 13 00-0234 Two Conductor Pothead On Rack <small>(26 05 13 00-0230)</small>		
Note: Includes pothead.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0235 EA #2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,257.08	526.24
26 05 13 00-0236 EA 250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,499.02	624.91
26 05 13 00-0237 Three Conductor Pothead On Rack (26 05 13 00-0230)		
Note: Includes pothead.		
26 05 13 00-0238 EA #2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,619.22	682.47
26 05 13 00-0239 EA 250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,020.53	855.14
26 05 13 00-0240 Stress Relief Cone On Rack (26 05 13 00-0230)		
26 05 13 00-0241 EA #2 To 4/0 AWG Stress Relief Cone, On Rack.....	809.49	345.35
26 05 13 00-0242 EA 250 To 500 MCM Stress Relief Cone, On Rack.....	1,026.51	427.57
26 05 13 00-0243 Grounded, Shielded Cable Splice (26 05 13 00-0230)		
26 05 13 00-0244 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	579.70	254.90
26 05 13 00-0245 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	745.42	328.90
26 05 13 00-0246 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	2,797.94	904.48
26 05 13 00-0247 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,390.33	986.71
26 05 13 00-0248 Cable Termination (26 05 13 00-0230)		
26 05 13 00-0249 EA #2 To 3/0 AWG Cable Termination 15 KV.....	355.32	143.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.34	
26 05 13 00-0250 EA 4/0 To 250 MCM Cable Termination 15 KV.....	452.64	185.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.00	
26 05 13 00-0251 EA 350 To 500 MCM Cable Termination 15 KV.....	557.40	226.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.67	
26 05 13 00-0252 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV.....	215.39	82.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.34	
26 05 13 00-0253 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 00-0230)		
26 05 13 00-0254 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	364.69	106.89
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	410.98	118.14
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	475.29	129.29
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	591.20	148.96
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 00-0230)		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	729.41	214.15
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	822.02	236.28
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	941.00	253.78
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,182.41	297.92
26 05 13 00-0263 35 KV (26 05 13 00-0171)		
26 05 13 00-0264 35 KV One Conductor Splice (26 05 13 00-0263)		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,441.11	
26 05 13 00-0266 Cable Termination (26 05 13 00-0263)		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV.....	278.97	98.75
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV.....	397.63	149.00
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV.....	445.61	159.35
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	225.93	82.23
26 05 13 00-0271 70 KV (26 05 13 00-0171)		
26 05 13 00-0272 Cable Splice (26 05 13 00-0271)		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV.....	4,736.84	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV.....	1,467.58	
26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)		
26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001 Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002 Pull Cord (26 05 19 16-0001)		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.26	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.13	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.58	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0007				Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small> Note: For installation under roads, driveways or other structures up to 20'.		
	26 05 19 16-0008	LF		Bore 1" To 4" Conduit Into Dirt Or Sand	2.25	
	26 05 19 16-0009	LF		Bore 5" To 8" Conduit Into Dirt Or Sand	2.87	
	26 05 19 16-0010	EA		Boring Minimum Set-Up Charge.....	315.63	
				Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011				Wire and Cable <small>(26 05 19 16)</small> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012				600 Volt Wire <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013				Single Solid Conductor, Copper <small>(26 05 19 16-0012)</small>		
	26 05 19 16-0014	MLF		#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	434.54	182.44
	26 05 19 16-0015	MLF		#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	539.18	214.62
	26 05 19 16-0016	MLF		#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	659.30	262.42
	26 05 19 16-0017	MLF		#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	600.87	182.44
	26 05 19 16-0018	MLF		#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	728.99	214.62
	26 05 19 16-0019	MLF		#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	878.89	262.42
26 05 19 16-0020				Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0021				Power Cable, Stranded, Single Conductor, XHHW <small>(26 05 19 16-0020)</small>		
	26 05 19 16-0022	MLF		#16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	484.77	150.34
	26 05 19 16-0023	MLF		#14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	571.46	180.41
	26 05 19 16-0024	MLF		#12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	706.76	210.49
	26 05 19 16-0025	MLF		#10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	874.88	240.55
	26 05 19 16-0026	MLF		#8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,171.79	300.69
	26 05 19 16-0027	MLF		#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,596.59	360.82
	26 05 19 16-0028	MLF		#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,198.59	451.03
	26 05 19 16-0029	MLF		#3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,608.02	511.16
	26 05 19 16-0030	MLF		#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,098.23	571.30
	26 05 19 16-0031	MLF		#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,863.76	631.45
	26 05 19 16-0032	MLF		1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,646.42	721.65
	26 05 19 16-0033	MLF		2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,581.75	811.85
	26 05 19 16-0034	MLF		3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,702.01	902.06
	26 05 19 16-0035	MLF		4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,057.88	992.27
	26 05 19 16-0036	MLF		250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,530.19	1,082.47
	26 05 19 16-0037	MLF		300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,147.84	1,172.68
	26 05 19 16-0038	MLF		350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,821.86	1,262.88
	26 05 19 16-0039	MLF		400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,122.80	1,353.09
	26 05 19 16-0040	MLF		500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,074.60	1,443.30
	26 05 19 16-0041	MLF		600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	16,238.52	1,563.57
	26 05 19 16-0042	MLF		750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	24,873.45	1,743.99
	26 05 19 16-0043	MLF		1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	35,208.56	2,044.67
26 05 19 16-0044				Power Cable, Stranded, Multi Conductor, XHHW <small>(26 05 19 16-0020)</small>		
	26 05 19 16-0045	MLF		2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,142.92	360.74
	26 05 19 16-0046	MLF		3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,413.70	421.04
	26 05 19 16-0047	MLF		4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,759.72	511.16
	26 05 19 16-0048	MLF		6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,112.65	556.04
	26 05 19 16-0049	MLF		7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,274.55	586.27
	26 05 19 16-0050	MLF		9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,699.63	646.32
	26 05 19 16-0051	MLF		10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,804.56	673.68
	26 05 19 16-0052	MLF		12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,286.90	736.68
	26 05 19 16-0053	MLF		14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,640.81	781.94
	26 05 19 16-0054	MLF		24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,371.18	992.34
	26 05 19 16-0055	MLF		37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	8,139.37	1,473.37
	26 05 19 16-0056	MLF		2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,413.70	421.04
	26 05 19 16-0057	MLF		3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,819.67	511.16
	26 05 19 16-0058	MLF		4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,225.65	601.38
	26 05 19 16-0059	MLF		2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,899.51	541.01
	26 05 19 16-0060	MLF		3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,472.85	660.91
	26 05 19 16-0061	MLF		4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,199.16	842.07
	26 05 19 16-0062	MLF		6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,348.10	1,082.84
	26 05 19 16-0063	MLF		9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,919.53	1,383.23
	26 05 19 16-0064	MLF		2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,381.16	616.41
	26 05 19 16-0065	MLF		3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,064.33	721.65
	26 05 19 16-0066	MLF		4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,973.02	917.10
	26 05 19 16-0067	MLF		2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,118.08	691.58
	26 05 19 16-0068	MLF		3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,225.98	856.96
	26 05 19 16-0069	MLF		4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,420.40	1,056.92
	26 05 19 16-0070	MLF		2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,239.64	839.06
	26 05 19 16-0071	MLF		3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,612.36	959.72



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0072	MLF	4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,278.08	1,197.63
26 05 19 16-0073	MLF	2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,895.01	1,022.04
26 05 19 16-0074	MLF	3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,867.18	1,142.91
26 05 19 16-0075	MLF	4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	10,438.48	1,503.43
26 05 19 16-0076	MLF	3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	10,463.12	1,443.07
26 05 19 16-0077	MLF	4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	13,649.03	1,803.37
26 05 19 16-0078	MLF	3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	12,436.52	1,563.87
26 05 19 16-0079	MLF	3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	15,164.74	1,803.37
26 05 19 16-0080	MLF	3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	18,600.34	2,103.91
26 05 19 16-0081	MLF	4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	24,549.99	2,705.06
26 05 19 16-0082	MLF	3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	22,750.54	2,407.53
26 05 19 16-0083	MLF	3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	24,234.54	2,705.06
26 05 19 16-0084	MLF	3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	30,511.10	3,006.87
26 05 19 16-0085	MLF	3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	39,660.82	3,304.70

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#10 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	985.26	
26 05 19 16-0088	MLF	#8 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	1,418.19	
26 05 19 16-0089	MLF	#6 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	1,900.91	
26 05 19 16-0090	MLF	#4 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	2,250.50	
26 05 19 16-0091	MLF	#2 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	3,110.80	
26 05 19 16-0092	MLF	#1 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	3,934.18	
26 05 19 16-0093	MLF	#1/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	4,504.82	
26 05 19 16-0094	MLF	#2/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	5,338.25	
26 05 19 16-0095	MLF	#3/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	6,361.85	
26 05 19 16-0096	MLF	#4/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	7,350.85	
26 05 19 16-0097	MLF	250 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	10,301.93	
26 05 19 16-0098	MLF	300 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	11,960.87	
26 05 19 16-0099	MLF	350 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	13,401.47	
26 05 19 16-0100	MLF	400 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	15,288.76	
26 05 19 16-0101	MLF	500 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	19,377.50	
26 05 19 16-0102	MLF	750 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	22,939.94	
26 05 19 16-0103	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	691.16	
26 05 19 16-0104	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	847.61	
26 05 19 16-0105	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,052.29	
26 05 19 16-0106	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,272.38	
26 05 19 16-0107	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,721.05	
26 05 19 16-0108	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	2,382.57	
26 05 19 16-0109	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,368.86	
26 05 19 16-0110	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,131.24	
26 05 19 16-0111	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,653.92	
26 05 19 16-0112	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,250.11	
26 05 19 16-0113	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	6,235.95	
26 05 19 16-0114	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,489.37	
26 05 19 16-0115	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,635.53	
26 05 19 16-0116	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	9,860.64	
26 05 19 16-0117	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,215.47	
26 05 19 16-0118	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	12,626.81	
26 05 19 16-0119	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	15,139.25	
26 05 19 16-0120	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	27,503.51	
26 05 19 16-0121	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	478.28	
26 05 19 16-0122	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	597.58	
26 05 19 16-0123	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	746.35	
26 05 19 16-0124	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,059.75	
26 05 19 16-0125	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,460.49	
26 05 19 16-0126	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,953.71	
26 05 19 16-0127	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	2,814.62	
26 05 19 16-0128	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,371.63	
26 05 19 16-0129	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,923.95	
26 05 19 16-0130	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,468.17	
26 05 19 16-0131	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,338.70	
26 05 19 16-0132	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	6,391.46	
26 05 19 16-0133	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,534.09	
26 05 19 16-0134	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,726.53	
26 05 19 16-0135	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	10,011.65	
26 05 19 16-0136	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,250.01	
26 05 19 16-0137	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	13,429.43	
26 05 19 16-0138	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	16,829.36	
26 05 19 16-0139	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	25,959.87	
26 05 19 16-0140	MLF	#2 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,002.57	
26 05 19 16-0141	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,297.17	
26 05 19 16-0142	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,089.50	
26 05 19 16-0143	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	9,211.80	
26 05 19 16-0144	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	10,249.88	
26 05 19 16-0145	MLF	250 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,030.63	
26 05 19 16-0146	MLF	350 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	16,153.93	
26 05 19 16-0147	MLF	400 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	17,584.65	
26 05 19 16-0148	MLF	500 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	20,171.75	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0149	600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0012)</small>			
26 05 19 16-0150	ACTHH, Solid <small>(26 05 19 16-0149)</small>			
26 05 19 16-0151	MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid	1,768.08	493.35	
26 05 19 16-0152	MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid	2,039.47	559.13	
26 05 19 16-0153	MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid	2,335.07	592.03	
26 05 19 16-0154	MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,546.63	822.25	
26 05 19 16-0155	MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,727.36	920.76	
26 05 19 16-0156	MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,457.17	1,020.17	
26 05 19 16-0157	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,524.83	1,118.67	
26 05 19 16-0158	MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,081.50	920.76	
26 05 19 16-0159	MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,226.67	1,020.17	
26 05 19 16-0160	MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,130.44	1,151.65	
26 05 19 16-0161	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,372.52	1,249.66	
26 05 19 16-0162	MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,676.67	1,020.17	
26 05 19 16-0163	MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,027.88	1,151.65	
26 05 19 16-0164	MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,130.54	1,282.79	
26 05 19 16-0165	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,663.38	1,381.96	
26 05 19 16-0166	ACTHH, Stranded <small>(26 05 19 16-0149)</small>			
26 05 19 16-0167	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	4,690.06	1,184.78	
26 05 19 16-0168	MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	5,723.65	1,347.92	
26 05 19 16-0169	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	5,537.46	1,315.60	
26 05 19 16-0170	MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	6,952.91	1,478.90	
26 05 19 16-0171	MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	8,809.88	1,644.50	
26 05 19 16-0172	MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded	10,132.83	1,807.15	
26 05 19 16-0173	MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded	11,616.11	1,971.84	
26 05 19 16-0174	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded	7,154.09	1,578.23	
26 05 19 16-0175	MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded	8,670.14	1,742.02	
26 05 19 16-0176	MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded	11,170.83	1,907.78	
26 05 19 16-0177	MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded	12,243.28	2,071.17	
26 05 19 16-0178	MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded	14,538.11	2,234.38	
26 05 19 16-0179	HCFC, Solid <small>(26 05 19 16-0149)</small>			
26 05 19 16-0180	MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid	2,855.04	822.25	
26 05 19 16-0181	MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid	3,124.81	923.88	
26 05 19 16-0182	MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid	3,493.66	1,015.15	
26 05 19 16-0183	MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid	3,464.69	923.88	
26 05 19 16-0184	MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid	3,716.05	1,015.15	
26 05 19 16-0185	MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid	4,868.80	1,158.14	
26 05 19 16-0186	MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid	4,263.13	1,015.15	
26 05 19 16-0187	MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid	4,655.44	1,158.14	
26 05 19 16-0188	MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid	6,379.46	1,284.77	
26 05 19 16-0189	MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0149)</small>			
26 05 19 16-0190	MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,571.63	822.25	
26 05 19 16-0191	MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,870.90	923.88	
26 05 19 16-0192	MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,476.24	1,015.15	
26 05 19 16-0193	MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,502.07	1,084.80	
26 05 19 16-0194	MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,658.64	1,150.00	
26 05 19 16-0195	MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,977.05	923.88	
26 05 19 16-0196	MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,366.16	1,015.15	
26 05 19 16-0197	MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,312.52	1,158.14	
26 05 19 16-0198	MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,672.39	1,249.66	
26 05 19 16-0199	MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,664.00	1,347.92	
26 05 19 16-0200	MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,305.68	1,447.66	
26 05 19 16-0201	MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,727.40	1,545.59	
26 05 19 16-0202	MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,466.60	1,015.15	
26 05 19 16-0203	MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,972.65	1,158.14	
26 05 19 16-0204	MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,129.45	1,284.77	
26 05 19 16-0205	MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,403.19	1,415.26	
26 05 19 16-0206	MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,329.51	1,514.26	
26 05 19 16-0207	MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	13,737.27	1,612.27	
26 05 19 16-0208	MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	17,850.74	1,709.46	
26 05 19 16-0209	FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0149)</small>			
	Note: Color coded red.			
26 05 19 16-0210	MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,382.57	624.91	
26 05 19 16-0211	MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,712.36	723.58	
26 05 19 16-0212	MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,326.41	822.25	
26 05 19 16-0213	MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,804.71	920.92	
26 05 19 16-0214	MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,717.77	723.58	
26 05 19 16-0215	MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,196.57	822.25	
26 05 19 16-0216	MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,960.60	920.92	
26 05 19 16-0217	MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,492.03	1,019.59	

26 Electrical

26 05 Common Work Results For Electrical

26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0218 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0149)</small>		
Note: Color coded red.		
26 05 19 16-0219 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,027.89	822.25
26 05 19 16-0220 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,711.76	920.92
26 05 19 16-0221 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	4,839.72	1,019.59
26 05 19 16-0222 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	5,580.64	1,118.26
26 05 19 16-0223 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,763.89	920.92
26 05 19 16-0224 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,553.99	1,019.59
26 05 19 16-0225 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0149)</small>		
Note: Color coded red.		
26 05 19 16-0226 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,559.61	624.91
26 05 19 16-0227 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,062.89	920.92
26 05 19 16-0228 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,126.44	723.58
26 05 19 16-0229 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,677.54	822.25
26 05 19 16-0230 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,054.63	1,019.59
26 05 19 16-0231 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,665.83	855.14
26 05 19 16-0232 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,495.37	986.71
26 05 19 16-0233 Armored Cable Connectors <small>(26 05 19 16-0149)</small>		
26 05 19 16-0234 EA 3/4" Armored Cable Connector.....	4.88	1.80
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	
26 05 19 16-0235 EA 1" Armored Cable Connector.....	5.75	2.11
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 19 16-0236 EA 1-1/4" Armored Cable Connector.....	8.17	3.01
For Work In Restricted Working Space, Add	2.26	
For Installation Above 14', Add	1.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 19 16-0237 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0238 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	646.31	120.50
For EPR Insulation, Add	29.29	
For Hypalon (CSPE) Jacket, Add	68.35	
26 05 19 16-0239 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	725.27	133.43
For EPR Insulation, Add	29.86	
For Hypalon (CSPE) Jacket, Add	69.67	
26 05 19 16-0240 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	892.02	166.80
For EPR Insulation, Add	43.60	
For Hypalon (CSPE) Jacket, Add	101.72	
26 05 19 16-0241 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,229.53	265.36
For EPR Insulation, Add	71.67	
For Hypalon (CSPE) Jacket, Add	167.23	
26 05 19 16-0242 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,704.97	318.42
For EPR Insulation, Add	120.44	
For Hypalon (CSPE) Jacket, Add	281.02	
26 05 19 16-0243 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,342.27	369.70
For EPR Insulation, Add	182.21	
For Hypalon (CSPE) Jacket, Add	425.15	
26 05 19 16-0244 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,673.91	423.15
For EPR Insulation, Add	209.40	
For Hypalon (CSPE) Jacket, Add	488.60	
26 05 19 16-0245 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,401.09	476.58
For EPR Insulation, Add	295.92	
For Hypalon (CSPE) Jacket, Add	690.49	
26 05 19 16-0246 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,244.22	530.78
For EPR Insulation, Add	399.84	
For Hypalon (CSPE) Jacket, Add	932.97	
26 05 19 16-0247 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,133.29	598.82
For EPR Insulation, Add	499.38	
For Hypalon (CSPE) Jacket, Add	1,165.21	
26 05 19 16-0248 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,214.49	664.07
For EPR Insulation, Add	627.73	
For Hypalon (CSPE) Jacket, Add	1,464.70	
26 05 19 16-0249 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,484.63	741.34
For EPR Insulation, Add	784.42	
For Hypalon (CSPE) Jacket, Add	1,830.32	
26 05 19 16-0250 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,452.71	824.25
For EPR Insulation, Add	895.81	
For Hypalon (CSPE) Jacket, Add	2,090.21	
26 05 19 16-0251 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,991.06	904.01
For EPR Insulation, Add	942.73	
For Hypalon (CSPE) Jacket, Add	2,199.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0252 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	10,651.64 1,157.99 2,701.98	993.77
26 05 19 16-0253 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	11,900.39 1,311.48 3,060.11	1,053.53
26 05 19 16-0254 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	13,358.25 1,496.33 3,491.44	1,177.49
26 05 19 16-0255 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	15,305.51 1,754.59 4,094.04	1,309.56
26 05 19 16-0256 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	17,971.27 2,109.35 4,921.82	1,362.49
26 05 19 16-0257 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	29,472.36 3,766.86 8,789.34	1,415.34
26 05 19 16-0258 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	37,243.10 4,887.37 11,403.86	1,512.31
26 05 19 16-0259 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,158.83	270.47
26 05 19 16-0260 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,468.11	300.69
26 05 19 16-0261 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,850.96	361.13
26 05 19 16-0262 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,197.87	420.81
26 05 19 16-0263 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,363.16	450.58
26 05 19 16-0264 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	376.21	150.34
26 05 19 16-0265 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	468.80	165.38
26 05 19 16-0266 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	478.28	120.57
26 05 19 16-0267 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	597.58	143.73
26 05 19 16-0268 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	746.37	180.79
26 05 19 16-0269 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,059.75	238.30
26 05 19 16-0270 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,460.49	287.76
26 05 19 16-0271 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,953.71	340.08
26 05 19 16-0272 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,343.14	384.96
26 05 19 16-0273 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,814.62	431.11
26 05 19 16-0274 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,371.63	486.51
26 05 19 16-0275 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,923.95	532.74
26 05 19 16-0276 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,468.17	588.74
26 05 19 16-0277 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,338.70	622.72
26 05 19 16-0278 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,391.46	700.60
26 05 19 16-0279 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,534.09	745.33
26 05 19 16-0280 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,726.53	844.11
26 05 19 16-0281 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,011.65	934.16
26 05 19 16-0282 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,250.03	959.72
26 05 19 16-0283 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,429.43	1,015.34
26 05 19 16-0284 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	16,754.19	1,194.85
26 05 19 16-0285 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	25,959.86	1,415.34
26 05 19 16-0286 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	31,142.77	1,708.81
26 05 19 16-0287 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,357.03	361.13
26 05 19 16-0288 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,594.45	420.81
26 05 19 16-0289 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,014.81	481.48
26 05 19 16-0290 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,024.03	541.01
26 05 19 16-0291 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,575.04	601.38
26 05 19 16-0292 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,968.17	660.91

26 05 19 16-0293 Non-Metallic Sheathed Cable (26 05 19 16-0012)

26 05 19 16-0294 Indoor Installation (26 05 19 16-0293)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0295 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,735.21 214.21	571.23
26 05 19 16-0296 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,146.22 259.35	691.58
26 05 19 16-0297 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,937.31 231.15	649.48
26 05 19 16-0298 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,416.03 270.57	721.50
26 05 19 16-0299 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,459.45 270.71	721.87
26 05 19 16-0300 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,054.60 315.78	842.07
26 05 19 16-0301 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,222.84 307.83	864.48
26 05 19 16-0302 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,247.72 372.10	1,044.89
26 05 19 16-0303 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,926.29 349.55	984.75
26 05 19 16-0304 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5,125.98 422.84	1,187.72
26 05 19 16-0305 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6,842.12 465.12	1,307.99

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0306 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9,847.57 507.41	1,420.74
26 05 19 16-0307 Direct Burial Cable <small>(26 05 19 16-0293)</small>		
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0308 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,885.75	
26 05 19 16-0309 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,404.39	
26 05 19 16-0310 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,408.83	
26 05 19 16-0311 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,863.01	
26 05 19 16-0312 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,761.55	
26 05 19 16-0313 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,488.76	
26 05 19 16-0314 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,856.71	
26 05 19 16-0315 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,932.57	
26 05 19 16-0316 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	5,080.59	
26 05 19 16-0317 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	6,067.17	
26 05 19 16-0318 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0293)</small>		
26 05 19 16-0319 MLF 12-12-12 Cable SEU Copper.....	2,506.24	723.82
26 05 19 16-0320 MLF 10-10-10 Cable SEU Copper.....	3,065.01	822.25
26 05 19 16-0321 MLF 8-8-8 Cable SEU Copper.....	3,728.99	920.76
26 05 19 16-0322 MLF 6-6-8 Cable SEU Copper.....	4,618.02	987.12
26 05 19 16-0323 MLF 6-6-6 Cable SEU Copper.....	4,952.56	1,020.17
26 05 19 16-0324 MLF 4-4-6 Cable SEU Copper.....	5,996.51	1,118.67
26 05 19 16-0325 MLF 4-4-4 Cable SEU Copper.....	6,430.60	1,151.65
26 05 19 16-0326 MLF 3-3-5 Cable SEU Copper.....	6,892.56	1,249.66
26 05 19 16-0327 MLF 3-3-3 Cable SEU Copper.....	7,439.98	1,315.60
26 05 19 16-0328 MLF 2-2-4 Cable SEU Copper.....	8,241.46	1,381.96
26 05 19 16-0329 MLF 2-2-2 Cable SEU Copper.....	8,971.37	1,447.66
26 05 19 16-0330 MLF 1-1-1 Cable SEU Copper.....	11,263.35	1,644.50
26 05 19 16-0331 MLF 1/0-1/0-1/0 Cable SEU Copper.....	12,733.57	1,843.65
26 05 19 16-0332 MLF 2/0-2/0-2/0 Cable SEU Copper.....	15,133.20	2,076.43
26 05 19 16-0333 MLF 3/0-3/0-3/0 Cable SEU Copper.....	18,112.76	2,309.70
26 05 19 16-0334 MLF 4/0-4/0-4/0 Cable SEU Copper.....	20,118.78	2,577.59
26 05 19 16-0335 SER Cable Copper, 4 Conductor <small>(26 05 19 16-0293)</small>		
26 05 19 16-0336 MLF 6-6-6-6 Cable SER Copper.....	7,044.62	1,184.78
26 05 19 16-0337 MLF 4-4-4-6 Cable SER Copper.....	9,091.07	1,282.79
26 05 19 16-0338 MLF 3-3-3-5 Cable SER Copper.....	10,675.67	1,447.66
26 05 19 16-0339 MLF 2-2-2-4 Cable SER Copper.....	12,465.16	1,578.23
26 05 19 16-0340 MLF 1-1-1-3 Cable SER Copper.....	15,185.93	1,807.15
26 05 19 16-0341 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	19,324.24	2,071.17
26 05 19 16-0342 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	23,087.26	2,234.38
26 05 19 16-0343 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	27,853.78	2,499.23
26 05 19 16-0344 ACSR (Aluminum Conductor Steel Reinforced) <small>(26 05 19 16-0011)</small>		
Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0345 ACSR Cable <small>(26 05 19 16-0344)</small>		
26 05 19 16-0346 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	1,648.80	380.96
26 05 19 16-0347 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,816.45	395.56
26 05 19 16-0348 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	2,080.23	410.80
26 05 19 16-0349 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	2,247.52	425.67
26 05 19 16-0350 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	2,745.68	440.11
26 05 19 16-0351 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	3,297.73	498.91
26 05 19 16-0352 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	3,961.11	556.39
26 05 19 16-0353 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	4,735.29	614.66
26 05 19 16-0354 MLF #1 Bare Aluminum Wire.....	2,580.10	518.98
26 05 19 16-0355 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	5,050.05	789.91
26 05 19 16-0356 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	5,690.49	906.09
26 05 19 16-0357 All Aluminum Conductors <small>(26 05 19 16-0344)</small>		
26 05 19 16-0358 MLF 795.0 ACSR Conductor Aluminum.....	34,554.92	7,492.43
26 05 19 16-0359 Single Copper Conductor Installed On Poles <small>(26 05 19 16-0011)</small>		
26 05 19 16-0360 Bare Stranded Conductor <small>(26 05 19 16-0359)</small>		
26 05 19 16-0361 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	988.94	322.78
26 05 19 16-0362 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,167.62	351.83
26 05 19 16-0363 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,347.26	381.22
26 05 19 16-0364 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,669.60	410.80
26 05 19 16-0365 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,050.02	440.46
26 05 19 16-0366 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,970.83	528.31
26 05 19 16-0367 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,420.80	586.84
26 05 19 16-0368 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,912.28	644.32
26 05 19 16-0369 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,280.66	764.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0370 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,424.54	878.63
26 05 19 16-0371 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,877.77	995.79
26 05 19 16-0372 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,735.35	1,173.59
26 05 19 16-0373 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,923.86	1,235.38
26 05 19 16-0374 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	11,225.74	1,293.74
26 05 19 16-0375 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	12,433.60	1,346.82
26 05 19 16-0376 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	14,551.24	1,404.29
26 05 19 16-0377 Insulated Stranded Conductor <small>(26 05 19 16-0359)</small>		
26 05 19 16-0378 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,078.11	322.78
26 05 19 16-0379 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,282.67	351.83
26 05 19 16-0380 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,574.38	381.22
26 05 19 16-0381 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,712.59	410.80
26 05 19 16-0382 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,115.61	440.46
26 05 19 16-0383 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,876.11	528.31
26 05 19 16-0384 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,411.35	586.84
26 05 19 16-0385 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,044.16	644.32
26 05 19 16-0386 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,875.66	764.20
26 05 19 16-0387 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,860.01	878.63
26 05 19 16-0388 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	6,921.81	995.79
26 05 19 16-0389 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,465.89	1,173.59
26 05 19 16-0390 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,637.11	1,235.38
26 05 19 16-0391 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,589.49	1,293.74
26 05 19 16-0392 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	11,906.06	1,346.82
26 05 19 16-0393 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	13,429.19	1,404.29
26 05 19 16-0394 Bare Solid Conductor <small>(26 05 19 16-0359)</small>		
26 05 19 16-0395 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	988.94	322.78
26 05 19 16-0396 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,347.26	381.22
26 05 19 16-0397 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,669.60	410.80
26 05 19 16-0398 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	2,022.92	440.46
26 05 19 16-0399 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>		
26 05 19 16-0400 Multi-Conductor Cords <small>(26 05 19 16-0399)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0401 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0400)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0402 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0401)</small>		
26 05 19 16-0403 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0402)</small>		
26 05 19 16-0404 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.90	0.33
26 05 19 16-0405 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.94	0.33
26 05 19 16-0406 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.07	0.33
26 05 19 16-0407 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0402)</small>		
26 05 19 16-0408 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.03	0.33
26 05 19 16-0409 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.12	0.33
26 05 19 16-0410 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.23	0.33
26 05 19 16-0411 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0402)</small>		
26 05 19 16-0412 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.18	0.33
26 05 19 16-0413 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.31	0.33
26 05 19 16-0414 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.56	0.33
26 05 19 16-0415 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0402)</small>		
26 05 19 16-0416 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.40	0.33
26 05 19 16-0417 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.55	0.33
26 05 19 16-0418 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.33
26 05 19 16-0419 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0402)</small>		
26 05 19 16-0420 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.87	0.41
26 05 19 16-0421 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.97	0.41
26 05 19 16-0422 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.13	0.41
26 05 19 16-0423 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0401)</small>		
26 05 19 16-0424 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0423)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0425 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.94	0.33
26 05 19 16-0426 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.03	0.33
26 05 19 16-0427 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.16	0.33
26 05 19 16-0428 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.08	0.44
26 05 19 16-0429 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.29	0.46
26 05 19 16-0430 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.44	0.47
26 05 19 16-0431 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.69	0.48
26 05 19 16-0432 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.12	0.50
26 05 19 16-0433 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.58	0.52
26 05 19 16-0434 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.80	0.53
26 05 19 16-0435 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.88	0.54
26 05 19 16-0436 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.02	0.55
26 05 19 16-0437 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.61	0.57
26 05 19 16-0438 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.14	0.58
26 05 19 16-0439 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.45	0.62
26 05 19 16-0440 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19		
16-0423)		
26 05 19 16-0441 LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.11	0.33
26 05 19 16-0442 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.19	0.33
26 05 19 16-0443 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.35	0.33
26 05 19 16-0444 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.19	0.44
26 05 19 16-0445 LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.43	0.46
26 05 19 16-0446 LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.66	0.47
26 05 19 16-0447 LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.97	0.48
26 05 19 16-0448 LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.09	0.49
26 05 19 16-0449 LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.45	0.50
26 05 19 16-0450 LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.06	0.52
26 05 19 16-0451 LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.38	0.53
26 05 19 16-0452 LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.97	0.54
26 05 19 16-0453 LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.78	0.55
26 05 19 16-0454 LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.51	0.57
26 05 19 16-0455 LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.92	0.58
26 05 19 16-0456 LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.72	0.59
26 05 19 16-0457 LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.21	0.62
26 05 19 16-0458 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19		
16-0423)		
26 05 19 16-0459 LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.34	0.33
26 05 19 16-0460 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.43	0.33
26 05 19 16-0461 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.66	0.33
26 05 19 16-0462 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.44
26 05 19 16-0463 LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.51	0.46
26 05 19 16-0464 LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.71	0.47
26 05 19 16-0465 LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.20	0.48
26 05 19 16-0466 LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.53	0.49
26 05 19 16-0467 LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.08	0.50
26 05 19 16-0468 LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.61	0.52
26 05 19 16-0469 LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.21	0.53
26 05 19 16-0470 LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.52	0.54
26 05 19 16-0471 LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.46	0.57
26 05 19 16-0472 LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.01	0.58
26 05 19 16-0473 LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.89	0.62
26 05 19 16-0474 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19		
16-0423)		
26 05 19 16-0475 LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.56	0.33
26 05 19 16-0476 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.74	0.33
26 05 19 16-0477 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.91	0.33
26 05 19 16-0478 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.35	0.44
26 05 19 16-0479 LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.92	0.46
26 05 19 16-0480 LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.47
26 05 19 16-0481 LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.12	0.48
26 05 19 16-0482 LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.56	0.49
26 05 19 16-0483 LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.32	0.50
26 05 19 16-0484 LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.23	0.52
26 05 19 16-0485 LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.06	0.53
26 05 19 16-0486 LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.90	0.54
26 05 19 16-0487 LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.30	0.55
26 05 19 16-0488 LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.76	0.57
26 05 19 16-0489 LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.25	0.58
26 05 19 16-0490 LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.75	0.59
26 05 19 16-0491 LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.23	0.60
26 05 19 16-0492 LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.76	0.62
26 05 19 16-0493 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19		
16-0423)		
26 05 19 16-0494 LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.82	0.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0495 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.97	0.41
26 05 19 16-0496 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.13	0.41
26 05 19 16-0497 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.87	0.44
26 05 19 16-0498 LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.84	0.46
26 05 19 16-0499 LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.73	0.47
26 05 19 16-0500 LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.42	0.50
26 05 19 16-0501 LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.53	0.52
26 05 19 16-0502 LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.94	0.54
26 05 19 16-0503 LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.03	0.57
26 05 19 16-0504 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0423)</small>		
26 05 19 16-0505 LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.77	0.49
26 05 19 16-0506 LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.11	0.57
26 05 19 16-0507 LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.70	0.57
26 05 19 16-0508 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0423)</small>		
26 05 19 16-0509 LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.50	0.57
26 05 19 16-0510 LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.66	0.66
26 05 19 16-0511 LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.99	0.82
26 05 19 16-0512 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0423)</small>		
26 05 19 16-0513 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.84	0.82
26 05 19 16-0514 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.73	0.90
26 05 19 16-0515 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.78	0.98
26 05 19 16-0516 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0423)</small>		
26 05 19 16-0517 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.06	1.64
26 05 19 16-0518 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.64	2.05
26 05 19 16-0519 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	20.00	2.72
26 05 19 16-0520 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0401)</small>		
26 05 19 16-0521 #18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0520)</small>		
26 05 19 16-0522 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.23	0.33
26 05 19 16-0523 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.38	0.33
26 05 19 16-0524 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.66	0.33
26 05 19 16-0525 #16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0520)</small>		
26 05 19 16-0526 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.32	0.33
26 05 19 16-0527 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.55	0.33
26 05 19 16-0528 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.66	0.33
26 05 19 16-0529 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0520)</small>		
26 05 19 16-0530 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.90	0.33
26 05 19 16-0531 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.83	0.33
26 05 19 16-0532 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.66	0.41
26 05 19 16-0533 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0401)</small>		
26 05 19 16-0534 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0533)</small>		
26 05 19 16-0535 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.82	0.33
26 05 19 16-0536 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.22	0.33
26 05 19 16-0537 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.63	0.33
26 05 19 16-0538 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0533)</small>		
26 05 19 16-0539 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.96	0.33
26 05 19 16-0540 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.36	0.33
26 05 19 16-0541 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.00	0.33
26 05 19 16-0542 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.25	0.41
26 05 19 16-0543 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0533)</small>		
26 05 19 16-0544 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.46	0.33
26 05 19 16-0545 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.97	0.33
26 05 19 16-0546 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.34	0.41

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0547 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0533)</small>		
26 05 19 16-0548 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.94	0.33
26 05 19 16-0549 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.40	0.33
26 05 19 16-0550 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.81	0.41
26 05 19 16-0551 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0533)</small>		
26 05 19 16-0552 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.41
26 05 19 16-0553 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.80	0.41
26 05 19 16-0554 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.19	0.41
26 05 19 16-0555 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0400)</small>		
Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0556 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0555)</small>		
26 05 19 16-0557 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0556)</small>		
26 05 19 16-0558 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.34	0.33
26 05 19 16-0559 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.49	0.33
26 05 19 16-0560 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.35	0.41
26 05 19 16-0561 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0556)</small>		
26 05 19 16-0562 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.82	0.33
26 05 19 16-0563 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.11	0.33
26 05 19 16-0564 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.10	0.41
26 05 19 16-0565 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0556)</small>		
26 05 19 16-0566 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.30	0.33
26 05 19 16-0567 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.69	0.33
26 05 19 16-0568 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.42	0.41
26 05 19 16-0569 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0556)</small>		
26 05 19 16-0570 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.96	0.41
26 05 19 16-0571 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.42	0.41
26 05 19 16-0572 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.67	0.41
26 05 19 16-0573 Multi-Conductor Type W Cord <small>(26 05 19 16-0400)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0574 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0573)</small>		
26 05 19 16-0575 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0574)</small>		
26 05 19 16-0576 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.16	0.49
26 05 19 16-0577 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.47	0.57
26 05 19 16-0578 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.33	0.57
26 05 19 16-0579 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0574)</small>		
26 05 19 16-0580 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.45	0.57
26 05 19 16-0581 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.32	0.66
26 05 19 16-0582 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.63	0.82
26 05 19 16-0583 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0574)</small>		
26 05 19 16-0584 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.17	0.57
26 05 19 16-0585 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.30	0.66
26 05 19 16-0586 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	9.40	0.82
26 05 19 16-0587 Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0399)</small>		
26 05 19 16-0588 Cord Grips <small>(26 05 19 16-0587)</small>		
26 05 19 16-0589 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	51.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.95	
26 05 19 16-0590 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	51.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.95	
26 05 19 16-0591 Cable Reels <small>(26 05 19 16-0587)</small>		
Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0399 for cords.		
26 05 19 16-0592 EA Extension Cord Reel (Yellow SJO) Up To 25 Feet, 16-3	242.70	41.11
26 05 19 16-0593 EA Heavy Duty Power Cable Reel, With 55' 5/c #10 SJO, With Anchor.....	580.85	164.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0594 EA Control Cable Reel For 60' Of 16/c #16 SO Cord.....	1,096.70	246.92
26 05 19 16-0595 Extension Cords (26 05 19 16-0587)		
26 05 19 16-0596 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	83.55	
26 05 19 16-0597 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	125.73	
26 05 19 16-0598 Plugs And Connector Bodies (26 05 19 16-0587)		
Note: Up to 277 volts.		
26 05 19 16-0599 NEMA Twist-Lock Plugs (26 05 19 16-0598)		
26 05 19 16-0600 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug.....	57.79	
26 05 19 16-0601 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	59.07	
26 05 19 16-0602 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug.....	53.67	
26 05 19 16-0603 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	57.63	
26 05 19 16-0604 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug.....	76.18	
26 05 19 16-0605 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug.....	81.20	
26 05 19 16-0606 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug.....	86.12	
26 05 19 16-0607 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	76.92	
26 05 19 16-0608 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug.....	89.01	
26 05 19 16-0609 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug.....	91.36	
26 05 19 16-0610 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug.....	94.35	
26 05 19 16-0611 NEMA Twist-Lock Connector Bodies (26 05 19 16-0598)		
26 05 19 16-0612 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body.....	61.42	
26 05 19 16-0613 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	65.97	
26 05 19 16-0614 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body.....	56.40	
26 05 19 16-0615 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	76.92	
26 05 19 16-0616 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	90.18	
26 05 19 16-0617 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	96.60	
26 05 19 16-0618 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body.....	118.19	
26 05 19 16-0619 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	112.74	
26 05 19 16-0620 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	139.79	
26 05 19 16-0621 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	146.95	
26 05 19 16-0622 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body.....	139.15	
26 05 19 16-0623 Accessories (26 05 19 16-0587)		
26 05 19 16-0624 EA 1/2" Straight Steel Cord Connector.....	34.91	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0625 EA 1/2" Straight Nylon Cord Connector.....	21.57	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.70	
26 05 19 16-0626 EA 1/2" 90 Degree Steel Cord Connector.....	40.40	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0627 EA 1/2" 90 Degree Nylon Cord Connector.....	26.37	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0628 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	39.94	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0629 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	66.33	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.40	
26 05 19 16-0630 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	26.01	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0631 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	42.08	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0632 EA 3/4" Straight Steel Cord Connector.....	36.21	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0633 EA 3/4" Straight Nylon Cord Connector.....	22.22	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.70	
26 05 19 16-0634 EA 3/4" 90 Degree Steel Cord Connector.....	44.46	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0635 EA 3/4" 90 Degree Nylon Cord Connector.....	28.40	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0636 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	45.42	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.40	
26 05 19 16-0637 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	53.87	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.63	
26 05 19 16-0638 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	31.49	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0639 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	37.99	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.40	
26 05 19 16-0640 EA 1" Straight Steel Cord Connector.....	44.54	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0641 EA 1" Straight Nylon Cord Connector.....	26.38	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.70	
26 05 19 16-0642 EA 1" 90 Degree Steel Cord Connector.....	49.96	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.17	
26 05 19 16-0643 EA 1" 90 Degree Nylon Cord Connector.....	31.15	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	
26 05 19 16-0644 EA 1" Straight Steel Cord Connector With Strain Relief Mesh.....	54.17	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0645 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.65 8.63	14.39
26 05 19 16-0646 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.93 6.17	10.27
26 05 19 16-0647 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.75 7.40	12.34
26 05 19 23 Manufactured Wiring Assemblies (26 05 19)		
26 05 19 23-0001 Festoon Cable Systems Complete System (26 05 19 23)		
26 05 19 23-0002 Components (26 05 19 23-0001)		
26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components.....	11.12	4.93
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components	44.18	18.09
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components.....	36.31	18.09
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components	9.24	4.11
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	46.23	20.56
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	40.86	1.64
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	46.80	1.64
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	273.87	102.78
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components.....	25.01	8.23
26 05 19 23-0012 Cable (26 05 19 23-0001)		
26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.65	1.64
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.09	1.64
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.20	1.64
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.24	1.64
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.71	1.64
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.34	1.64
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.58	1.64
26 05 19 23-0020 Complete Systems (26 05 19 23-0001)		
26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment..... Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.	4,578.39	1,644.50
26 05 23 Control-Voltage Electrical Power Cables (26 05)		
26 05 23 00-0001 Cable For Sound System (26 05 23)		
26 05 23 00-0002 Shielded Conductors (26 05 23 00-0001) Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.		
26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	701.53	300.69
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,099.04	300.69
26 05 23 00-0005 LF 3 Conductor #16 AWG Sound System, Placed In Conduit, Shielded.....	0.92	0.18
26 05 23 00-0006 MLF 18/6 AWG Sound System, Placed In Conduit, Shielded.....	969.63	182.21
26 05 23 00-0007 Cable For HVAC System Controls (26 05 23)		
26 05 23 00-0008 Low Voltage Cable To 300 Volts (26 05 23 00-0007) Note: For surface or conduit installation. Thermostat wiring.		
26 05 23 00-0009 MLF 2/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls.....	848.78	95.85
26 05 23 00-0010 MLF 3/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls	1,102.67	100.95
26 05 23 00-0011 MLF 4/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls	1,446.63	106.75
26 05 23 00-0012 MLF 6/c #18 300 V Twisted Shielded Cable, In Conduit.....	1,252.76	144.03
26 05 23 00-0013 MLF 8/c #18 300 V Twisted Shielded Cable, In Conduit.....	1,669.23	126.22
26 05 26 Grounding And Bonding For Electrical Systems (26 05)		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)		
26 05 26 00-0002 Single Conductor (26 05 26 00-0001)		
26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	455.88	158.85
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	615.52	158.85
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	775.81	191.35
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,093.25	191.35
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,490.74	231.07
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	2,385.53	231.07
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	2,771.63	278.00
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	3,254.82	278.00
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	4,598.27	350.21
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	5,687.57	350.21
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	6,010.08	465.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	7,758.47	465.74
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	7,767.37	537.94
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	10,532.31	537.94
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	14,419.06	664.31
26 05 26 00-0019 Copper Insulated Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	900.80	216.62
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	945.98	216.62
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,225.68	216.62
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,378.27	375.49
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	1,889.37	375.49
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	2,702.38	375.49
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	3,284.58	657.09
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	4,025.59	657.09
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	4,746.55	657.09
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	5,688.08	657.09
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	6,738.24	859.28
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	8,191.83	859.28
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	9,573.00	859.28
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	11,135.68	1,335.85
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	14,628.41	1,335.85
26 05 26 00-0035 Copper Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	455.88	158.85
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	615.52	158.85
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	775.81	191.35
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,093.25	191.35
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,490.74	231.07
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	2,385.53	231.07
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	3,254.82	278.00
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	6,010.08	368.26
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	1,080.63	191.35
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	1,264.04	191.35
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	1,553.88	231.07
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	2,173.54	231.07
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	2,752.02	278.00
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	3,156.19	278.00
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	3,667.84	350.21
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	4,363.60	350.21
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	5,137.13	465.74
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	5,942.43	465.74
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	7,630.41	537.94
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	9,022.65	537.94
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	10,488.98	664.31
26 05 26 00-0058 Aluminum Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	1,080.63	191.35
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	1,264.04	191.35
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	1,553.88	231.07
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	2,173.54	231.07
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	2,722.88	368.26
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	3,156.19	368.26
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	3,595.66	350.21
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	4,218.24	350.21
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	5,137.13	465.74
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	5,942.43	465.74
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	7,630.41	537.94
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	9,022.65	537.94
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	10,488.98	664.31
26 05 26 00-0072 Aluminum Smooth Woven Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.83	0.57
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.02	0.62
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.39	0.71
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.33	0.73
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.52	0.76
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap <small>(26 05 26 00-0001)</small>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	159.91	20.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.33

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	171.96	24.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	221.05	24.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	269.48	24.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	231.83	26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	302.46	26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	363.83	26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	302.59	33.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.35	
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	662.02	41.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	176.31	45.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.70	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	217.35	45.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.63	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	354.45	69.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.37	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	562.46	69.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.68	
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	73.04	61.67
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	76.54	61.67
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	90.67	61.67
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	86.17	61.67
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	90.55	61.67
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	108.21	61.67
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	250.60	61.67
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	312.63	61.67
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	489.23	61.67
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	158.58	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	165.65	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well.....	441.97	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well.....	449.05	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	251.79	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	293.57	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	530.95	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	241.41	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	260.62	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	509.92	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	141.42	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	151.36	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	159.56	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	112.38	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	159.74	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	271.33	
Note: Schedule 40 with flat steel cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	355.35	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	222.15	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	315.15	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	328.71	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	400.34	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	184.94	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	311.13	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	334.21	
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	281.61	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	307.73	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	309.50	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	338.20	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	338.43	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	369.95	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	447.03	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	489.83	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	109.30	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	150.60	
26 05 26 00-0144 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0145 Ground Rod Clamps (26 05 26 00-0144)		
26 05 26 00-0146 EA 1/2" Ground Rod Clamp.....	17.29	9.29
26 05 26 00-0147 EA 5/8" Ground Rod Clamp.....	18.17	9.29
26 05 26 00-0148 EA 3/4" Ground Rod Clamp.....	19.43	9.29
26 05 26 00-0149 Bronze Pipe Clamps (26 05 26 00-0144)		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	22.68	15.45
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	29.38	18.50
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	46.45	21.63
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	56.19	27.79
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe.....	87.14	40.13
26 05 26 00-0155 Grounding Fittings (26 05 26 00-0144)		
26 05 26 00-0156 Embedded Fittings (26 05 26 00-0155)		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	116.55	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	124.55	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	138.73	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	109.73	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	131.45	
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	154.32	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	174.23	
26 05 26 00-0164 Ground Rod Receptacle (26 05 26 00-0155)		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle.....	252.49	85.51
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle.....	264.40	87.92
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle.....	276.57	90.31
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels (26 05 26 00-0155)		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit.....	56.17	20.56
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit.....	47.74	20.56
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit.....	62.89	20.56
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit.....	52.38	20.56
26 05 26 00-0173 Insulated Grounding Bars (26 05 26 00-0144)		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.62 37.00	20.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20" <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.60 37.00	20.64
26 05 26 00-0176 Ground Conductor Bonding (26 05 26)		
26 05 26 00-0177 Ground Conductor Bonding (26 05 26 00-0176)		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0177)		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	100.09	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	108.30	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	116.53	
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	165.86	
26 05 26 00-0183 Tee, Wye Or Cross Cadweld (26 05 26 00-0177)		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	112.42	
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	128.86	
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	157.65	
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	190.53	
26 05 26 00-0188 Grounding Equipment (26 05 26)		
26 05 26 00-0189 Special Grounding Equipment (26 05 26 00-0188)		
26 05 26 00-0190 Ground Reels And Ground Bus (26 05 26 00-0189)		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable.....	586.86	
26 05 26 00-0192 Copper Bars (26 05 26 00-0189)		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar	33.54	
26 05 26 00-0194 Phenolic Insulators (26 05 26 00-0189)		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.48 4.94	
26 05 26 00-0196 Grounding Studs (26 05 26 00-0189)		
26 05 26 00-0197 EA Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.43 7.37	
26 05 26 00-0198 Equipment Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49 4.94	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.97 5.43	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.50 6.17	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.33 7.40	
26 05 26 00-0203 Panelboard Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0204 EA Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.20 6.17	6.16
26 05 26 00-0205 Circuit Breaker Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.38 3.70	3.70
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.96 3.70	3.70
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.66 3.70	3.70
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.55 4.19	4.19
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00 4.69	4.69
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.90 5.18	5.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.47 5.92	5.92
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.84 6.91	6.91
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.94 5.18	5.18
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.62 5.92	5.92
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14 6.91	6.91

26 05 29 Hangers And Supports For Electrical Systems (26 05)

26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)		
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001)		
26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	13.98	4.51
26 05 29 00-0005 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	15.18	4.51
26 05 29 00-0006 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	6.84	1.69
26 05 29 00-0007 12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0008 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	14.83	4.51
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	14.54	4.51
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	14.35	4.51
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	16.86	4.51
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	16.29	4.51
26 05 29 00-0013 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	15.92	4.51
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	7.69	1.69
26 05 29 00-0015 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	7.40	1.69
26 05 29 00-0016 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	7.21	1.69
26 05 29 00-0017 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0018 Unistrut Channel Closure Strips And Caps (26 05 29 00-0017)		
26 05 29 00-0019 LF Raceway Closure Strip For Unistrut Channel.....	3.70	0.41
26 05 29 00-0020 EA End Cap For Unistrut Channel.....	9.36	4.12
26 05 29 00-0021 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0022 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	3.83	
26 05 29 00-0023 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	3.81	
26 05 29 00-0024 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	4.55	
26 05 29 00-0025 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0026 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Unistrut Channel Fitting.....	3.72	
26 05 29 00-0027 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Unistrut Channel Fitting.....	3.18	
26 05 29 00-0028 EA 3-Hole, 1-7/16" x 4-1/8", 90 Degree Angle, Unistrut Channel Fitting.....	5.21	
26 05 29 00-0029 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Unistrut Channel Fitting.....	5.14	
26 05 29 00-0030 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0031 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Unistrut Channel Fitting.....	7.29	
26 05 29 00-0032 U-Connector, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0033 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Unistrut Channel Fitting.....	5.59	
26 05 29 00-0034 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Unistrut Channel Fitting.....	6.45	
26 05 29 00-0035 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0036 EA 3-Hole, Z-Bracket, Unistrut Channel Fitting.....	7.47	
26 05 29 00-0037 Unistrut Channel Pipe Clamps (26 05 29 00-0017)		
Note: Includes hex screw and nut.		
26 05 29 00-0038 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	3.27	1.23
26 05 29 00-0039 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	3.28	1.23
26 05 29 00-0040 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	3.35	1.23
26 05 29 00-0041 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.25	1.65
26 05 29 00-0042 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.58	1.65
26 05 29 00-0043 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.61	1.65
26 05 29 00-0044 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.67	2.06
26 05 29 00-0045 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.96	2.06
26 05 29 00-0046 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.24	2.06
26 05 29 00-0047 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.34	2.06

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0048 Beam Clamps <small>(26 05 29 00-0017)</small>		
26 05 29 00-0049 EA Set Screw Beam Clamp, Unistrut Channel Fitting.....	23.44	7.52
26 05 29 00-0050 EA "C" Beam Clamp Use With 1/2" Rod Metal Framing Channel Fittings.....	20.94	7.52
26 05 29 00-0051 EA "U" Bolt Beam Clamp, Unistrut Channel Fitting.....	22.79	7.52
26 05 29 00-0052 Square Washers For Unistrut Channel <small>(26 05 29 00-0017)</small>		
26 05 29 00-0053 EA 1/2" Bolt Size, Square Washer For Unistrut Channel.....	2.74	
26 05 29 00-0054 Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0055 EA 16" Diagonal Bar Brace For Unistrut Channel.....	19.85	
26 05 29 00-0056 Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0057 EA Trolley Track Hanger For Unistrut Channel.....	24.80	
26 05 29 00-0058 Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0017)</small>		
Note: Includes hex bolt.		
26 05 29 00-0059 EA 1/4-20 Lock Nut With Spring For Unistrut Channel.....	5.23	
26 05 29 00-0060 EA 3/8-16 Lock Nut With Spring For Unistrut Channel.....	5.63	
26 05 29 00-0061 EA 1/2-13 Lock Nut With Spring For Unistrut Channel.....	5.92	
26 05 29 00-0062 EA 5/8-11 Lock Nut With Spring For Unistrut Channel.....	7.52	
26 05 29 00-0063 Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0017)</small>		
Note: Includes hex bolt.		
26 05 29 00-0064 EA 1/4-20 Lock Nut Without Spring For Unistrut Channel.....	5.24	
26 05 29 00-0065 EA 3/8-16 Lock Nut Without Spring For Unistrut Channel.....	5.68	
26 05 29 00-0066 EA 1/2-13 Lock Nut Without Spring For Unistrut Channel.....	5.95	
26 05 29 00-0067 EA 5/8-11 Lock Nut Without Spring For Unistrut Channel.....	7.98	
26 05 29 00-0068 Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0069 Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070 Galvanized Steel Back Plate <small>(26 05 29 00-0069)</small>		
26 05 29 00-0071 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	313.76	49.33
26 05 29 00-0072 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	78.46	16.45
26 05 29 00-0073 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted.....	198.52	41.11
26 05 29 00-0074 Aluminum Mounting Assemblies <small>(26 05 29 00-0068)</small>		
26 05 29 00-0075 Aluminum Back Plate <small>(26 05 29 00-0074)</small>		
26 05 29 00-0076 EA 3/16" x 2' x 2' Aluminum Back Plate.....	180.72	61.67
26 05 29 00-0077 EA 3/16" x 4' x 4' Aluminum Back Plate.....	421.44	61.67
26 05 29 00-0078 Supports <small>(26 05 29)</small>		
26 05 29 00-0079 One Hole Steel Conduit Straps <small>(26 05 29 00-0078)</small>		
26 05 29 00-0080 EA 1/2", One Hole Steel Conduit Strap.....	2.95	
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.82	
26 05 29 00-0081 EA 3/4", One Hole Steel Conduit Strap.....	2.98	
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.83	
26 05 29 00-0082 EA 1", One Hole Steel Conduit Strap.....	3.16	
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0083 EA 1-1/4", One Hole Steel Conduit Strap 3.29		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0084 EA 1-1/2", One Hole Steel Conduit Strap 3.38		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0085 EA 2", One Hole Steel Conduit Strap 3.92		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0086 EA 2-1/2", One Hole Steel Conduit Strap 4.48		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0087 EA 3", One Hole Steel Conduit Strap 4.66		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0088 EA 3-1/2", One Hole Steel Conduit Strap 5.57		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0089 EA 4", One Hole Steel Conduit Strap 6.30		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0090 One Hole Iron Conduit Straps (26 05 29 00-0078) 3.03		
26 05 29 00-0091 EA 1/2", One Hole Iron Conduit Strap 3.03		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0092 EA 3/4", One Hole Iron Conduit Strap 3.12		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0093 EA 1", One Hole Iron Conduit Strap 3.28		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0094 EA 1-1/4", One Hole Iron Conduit Strap 3.66		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0095 EA 1-1/2", One Hole Iron Conduit Strap 3.81		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.91	

26 Electrical

26 05 Common Work Results For Electrical

26 05 29 Hangers And Supports For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0096	EA		2", One Hole Iron Conduit Strap .....4.76		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0097	EA		2-1/2", One Hole Iron Conduit Strap .....6.83		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0098	EA		3", One Hole Iron Conduit Strap .....8.54		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0099	EA		3-1/2", One Hole Iron Conduit Strap .....11.06		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0100	EA		4", One Hole Iron Conduit Strap .....21.11		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.64	
26 05 29 00-0101	EA		5", One Hole Iron Conduit Strap .....26.51		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-2.32	
			<i>For >500, Deduct</i>	-3.18	
26 05 29 00-0102			Two Hole Steel Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0103	EA		1/2", Two Hole Steel Conduit Strap .....3.36		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0104	EA		3/4", Two Hole Steel Conduit Strap .....3.42		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0105	EA		1", Two Hole Steel Conduit Strap .....3.45		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0106	EA		1-1/4", Two Hole Steel Conduit Strap .....3.49		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0107	EA		1-1/2", Two Hole Steel Conduit Strap .....3.52		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0108	EA		2", Two Hole Steel Conduit Strap .....3.59		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0109 EA 2-1/2", Two Hole Steel Conduit Strap 4.01 For Work In Restricted Working Space, Add 0.89 For Installation On Concrete (Includes Drilling And Fastener), Add 0.94 For >50 To 100, Deduct -0.17 For >100 To 250, Deduct -0.35 For >250 To 500, Deduct -0.67 For >500, Deduct -0.99	4.01	
26 05 29 00-0110 EA 3", Two Hole Steel Conduit Strap 4.10 For Work In Restricted Working Space, Add 0.89 For Installation On Concrete (Includes Drilling And Fastener), Add 0.94 For >50 To 100, Deduct -0.18 For >100 To 250, Deduct -0.35 For >250 To 500, Deduct -0.68 For >500, Deduct -1.00	4.10	
26 05 29 00-0111 EA 3-1/2", Two Hole Steel Conduit Strap 4.42 For Work In Restricted Working Space, Add 0.89 For Installation On Concrete (Includes Drilling And Fastener), Add 0.94 For >50 To 100, Deduct -0.18 For >100 To 250, Deduct -0.37 For >250 To 500, Deduct -0.70 For >500, Deduct -1.03	4.42	
26 05 29 00-0112 EA 4", Two Hole Steel Conduit Strap 4.65 For Work In Restricted Working Space, Add 0.89 For Installation On Concrete (Includes Drilling And Fastener), Add 0.94 For >50 To 100, Deduct -0.19 For >100 To 250, Deduct -0.38 For >250 To 500, Deduct -0.72 For >500, Deduct -1.06	4.65	
26 05 29 00-0113 EA 5", Two Hole Steel Conduit Strap 4.94 For Work In Restricted Working Space, Add 0.89 For Installation On Concrete (Includes Drilling And Fastener), Add 0.94 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.40 For >250 To 500, Deduct -0.74 For >500, Deduct -1.09	4.94	
26 05 29 00-0114 Clamp Back Spacers (26 05 29 00-0078)		
26 05 29 00-0115 EA 1/2" Conduit, Clamp Back Spacer..... 2.57 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.12 For >100 To 250, Deduct -0.23 For >250 To 500, Deduct -0.45 For >500, Deduct -0.67	2.57	
26 05 29 00-0116 EA 3/4" Conduit, Clamp Back Spacer..... 2.75 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.12 For >100 To 250, Deduct -0.24 For >250 To 500, Deduct -0.46 For >500, Deduct -0.69	2.75	
26 05 29 00-0117 EA 1" Conduit, Clamp Back Spacer..... 2.91 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.12 For >100 To 250, Deduct -0.25 For >250 To 500, Deduct -0.47 For >500, Deduct -0.70	2.91	
26 05 29 00-0118 EA 1-1/4" Conduit, Clamp Back Spacer 3.54 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.14 For >100 To 250, Deduct -0.28 For >250 To 500, Deduct -0.52 For >500, Deduct -0.76	3.54	
26 05 29 00-0119 EA 1-1/2" Conduit, Clamp Back Spacer 4.04 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.15 For >100 To 250, Deduct -0.30 For >250 To 500, Deduct -0.56 For >500, Deduct -0.81	4.04	
26 05 29 00-0120 EA 2" Conduit, Clamp Back Spacer..... 4.57 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.17 For >100 To 250, Deduct -0.33 For >250 To 500, Deduct -0.60 For >500, Deduct -0.87	4.57	
26 05 29 00-0121 EA 2-1/2" Conduit, Clamp Back Spacer 6.73 For Work In Restricted Working Space, Add 0.62 For Installation On Concrete (Includes Drilling And Fastener), Add 0.61 For >50 To 100, Deduct -0.22 For >100 To 250, Deduct -0.44 For >250 To 500, Deduct -0.76 For >500, Deduct -1.08	6.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0122	EA		3" Conduit, Clamp Back Spacer.....	9.31	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.34	
26 05 29 00-0123	EA		3-1/2" Conduit, Clamp Back Spacer.....	11.82	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.59	
26 05 29 00-0124	EA		4" Conduit, Clamp Back Spacer.....	23.57	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.77	
26 05 29 00-0125	EA		5" Conduit, Clamp Back Spacer.....	43.43	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-3.51	
			<i>For >500, Deduct</i>	-4.75	
26 05 29 00-0126			Conduit Clips <small>(26 05 29 00-0078)</small>		
			Note: Push in or clip.		
26 05 29 00-0127	EA		1/2" Conduit Clip.....	3.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0128	EA		3/4" Conduit Clip.....	3.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0129	EA		1" Conduit Clip.....	3.16	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0130	EA		1-1/4" Conduit Clip.....	3.26	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0131			Bolt And Nut Conduit Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0132	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	4.16	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.92	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0133	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B).....	4.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.92	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0134	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	4.59	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0135	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	4.68	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0136 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	5.24	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.22	
26 05 29 00-0137 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	5.67	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.31	
26 05 29 00-0138 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	6.17	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.36	
26 05 29 00-0139 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	11.26	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.95	
26 05 29 00-0140 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0078)</small>		
Note: Bat wing.		
26 05 29 00-0141 EA 1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.32	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0142 EA 3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.35	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0143 EA 1", Conduit Hanger From Flange, Wire Or Rod.....	2.43	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
26 05 29 00-0144 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	2.64	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
26 05 29 00-0145 Beam Flange Clamps <small>(26 05 29 00-0078)</small>		
Note: For threaded rod, nut not required.		
26 05 29 00-0146 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	3.22	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.73	
26 05 29 00-0147 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	3.16	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.73	
26 05 29 00-0148 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	3.48	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
26 05 29 00-0149 T-Bar Support Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0150 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	5.52	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.37	
26 05 29 00-0151 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	5.27	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0152 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	1.90	
For >50 To 100, Deduct	-0.07	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.27	
For >500, Deduct	-0.40	
26 05 29 00-0153 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	14.09	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.74	
26 05 29 00-0154 Switch And Outlet Box Type Supports (26 05 29 00-0078)		
26 05 29 00-0155 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.77	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.71	
26 05 29 00-0156 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.24	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.65	
26 05 29 00-0157 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO).....	3.69	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.70	
26 05 29 00-0158 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.50	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0159 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	2.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.59	
26 05 29 00-0160 Lighting Fix Hanger (26 05 29 00-0078)		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0161 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	3.80	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.04	
26 05 29 00-0162 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	11.58	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.82	
26 05 29 00-0163 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	15.66	
For >50 To 100, Deduct	-0.47	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-2.22	
26 05 29 00-0164 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0078)		
26 05 29 00-0165 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.27	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.82	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0166 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.28	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.82	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0167 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.35	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.83	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0168 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.25	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.08	
For Work In Restricted Working Space, Add	0.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0169 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.58	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.12	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0170 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.61	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.12	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0171 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.66	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.39	
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0172 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.95	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.50	
<i>For >250 To 500, Deduct</i>	-0.96	
<i>For >500, Deduct</i>	-1.42	
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0173 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.23	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500, Deduct</i>	-1.45	
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0174 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.33	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.46	
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0175 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0176 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.48	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.84	
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0177 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.46	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.84	
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0178 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.42	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.84	
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0179 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.51	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0180 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.08	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.17	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0181 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.11	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.17	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0182 "J" Type Conduit Hangers <small>(26 05 29 00-0078)</small>		
26 05 29 00-0183 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	14.32	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.58	
<i>For Work In Restricted Working Space, Add</i>	1.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0184	EA	3/4"	"J" Type Conduit Hanger (Unistrut J1207).....	14.47	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.60	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 29 00-0185	EA	1"	"J" Type Conduit Hanger (Unistrut J1210).....	15.43	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.98	
			<i>For >500, Deduct</i>	-2.86	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0186	EA	1-1/4"	"J" Type Conduit Hanger (Unistrut J1212).....	15.59	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.87	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0187	EA	1-1/2"	"J" Type Conduit Hanger (Unistrut J1215).....	16.53	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-3.13	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0188	EA	2"	"J" Type Conduit Hanger (Unistrut J1220).....	17.14	
			<i>For >50 To 100, Deduct</i>	-0.61	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-2.21	
			<i>For >500, Deduct</i>	-3.19	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0189	EA	2-1/2"	"J" Type Conduit Hanger (Unistrut J1225).....	26.66	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500, Deduct</i>	-4.31	
			<i>For Work In Restricted Working Space, Add</i>	2.47	
26 05 29 00-0190	EA	3"	"J" Type Conduit Hanger (Unistrut J1230).....	28.40	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-3.26	
			<i>For >500, Deduct</i>	-4.65	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 29 00-0191	EA	3-1/2"	"J" Type Conduit Hanger (Unistrut J1235).....	30.60	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-3.53	
			<i>For >500, Deduct</i>	-5.03	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 29 00-0192	EA	4"	"J" Type Conduit Hanger (Unistrut J1240).....	40.04	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100 To 250, Deduct</i>	-2.50	
			<i>For >250 To 500, Deduct</i>	-4.24	
			<i>For >500, Deduct</i>	-5.98	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 29 00-0193	EA	5"	"J" Type Conduit Hanger (Unistrut J1250).....	43.97	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100 To 250, Deduct</i>	-2.73	
			<i>For >250 To 500, Deduct</i>	-4.63	
			<i>For >500, Deduct</i>	-6.54	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
26 05 29 00-0194	EA	6"	"J" Type Conduit Hanger (Unistrut J1260).....	61.44	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100 To 250, Deduct</i>	-3.69	
			<i>For >250 To 500, Deduct</i>	-6.15	
			<i>For >500, Deduct</i>	-8.61	
			<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 29 00-0195			Between Studs Box Brackets <small>(26 05 29 00-0078)</small>	5.25	
26 05 29 00-0196	EA	16"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.25	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0197	EA	24"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.21	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0198			Hangers And Brackets <small>(26 05 29 00-0078)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0199 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.00	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.36	
<i>For >500, Deduct</i>	-0.53	
26 05 29 00-0200 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	1.95	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.52	
26 05 29 00-0201 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	1.95	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.52	
26 05 29 00-0202 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.53	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0203 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.54	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0204 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.47	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0205 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.53	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0206 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.54	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0207 Clips And Accessories <small>(26 05 29 00-0078)</small>		
26 05 29 00-0208 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.35	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500, Deduct</i>	-0.34	
26 05 29 00-0209 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.37	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500, Deduct</i>	-0.34	
26 05 29 00-0210 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.46	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500, Deduct</i>	-0.35	
26 05 29 00-0211 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.64	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0212 Wire Ties <small>(26 05 29 00-0078)</small>		
Note: Per hundred (C).		
26 05 29 00-0213 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.34	
<i>For UV Black, Add</i>	0.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0214 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.45	
<i>For UV Black, Add</i>	0.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0215 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.52	
<i>For UV Black, Add</i>	0.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0216 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.55	
<i>For UV Black, Add</i>	0.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0217 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.96	
<i>For UV Black, Add</i>	0.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0218 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	14.69	
<i>For UV Black, Add</i>	0.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0219 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.30	
For UV Black, Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 29 00-0220 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.72	
For UV Black, Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.69	
26 05 29 00-0221 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	15.15	
For UV Black, Add	0.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.81	
26 05 29 00-0222 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	23.45	
For UV Black, Add	2.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	
26 05 29 00-0223 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	24.66	
For UV Black, Add	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	
26 05 29 00-0224 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	16.00	
For UV Black, Add	1.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.81	
26 05 29 00-0225 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	14.93	
For UV Black, Add	0.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.81	
26 05 29 00-0226 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	23.79	
For UV Black, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	
26 05 29 00-0227 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	27.56	
For UV Black, Add	2.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 29 00-0228 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	27.43	
For UV Black, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.81	
26 05 29 00-0229 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	30.09	
For UV Black, Add	3.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	
26 05 29 00-0230 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	37.03	
For UV Black, Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 29 00-0231 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	54.54	
For UV Black, Add	6.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 29 00-0232 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	52.70	
For UV Black, Add	6.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 29 00-0233 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	65.00	
For UV Black, Add	7.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.59	
26 05 29 00-0234 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	75.77	
For UV Black, Add	9.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.77	
26 05 29 00-0235 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	105.38	
For UV Black, Add	13.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 29 00-0236 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	27.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.72	
26 05 29 00-0237 C 1.1" x 1.1" Tie Mounts With Screw.....	53.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	
26 05 29 00-0238 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0239 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0240 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0241 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0242 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	52.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 05 29 00-0243 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0244 Toggle Bolts <small>(26 05 29 00-0243)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0245 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.32	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-3.04	
26 05 29 00-0246 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.49	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0247 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.81	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-2.25	
<i>For >500, Deduct</i>	-3.21	
26 05 29 00-0248 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.98	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-3.29	
26 05 29 00-0249 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.14	
<i>For >50 To 100, Deduct</i>	-0.68	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-2.36	
<i>For >500, Deduct</i>	-3.36	
26 05 29 00-0250 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.93	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-3.50	
26 05 29 00-0251 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.23	
<i>For >50 To 100, Deduct</i>	-0.72	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.59	
26 05 29 00-0252 Machine Screws <small>(26 05 29 00-0243)</small>		
<i>Note: Includes drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0253 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.87	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0254 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.90	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0255 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.38	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.15	
26 05 29 00-0256 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.47	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0257 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.03	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0258 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0243)</small>		
<i>Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0259 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.93	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0260 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.90	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0261 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.01	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0262 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.05	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0263 Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0243)</small>		
<i>Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.</i>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0264	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.20	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0265	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.23	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0266	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.63	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0267			Hollow Wall Screw Anchors (26 05 29 00-0243)		
26 05 29 00-0268	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.30	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0269	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.33	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0270	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.39	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0271	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.74	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0272	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.81	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0273	EA		10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.83	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0274	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.85	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0275	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.95	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0276	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.99	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0277			Lead Screw Anchors (26 05 29 00-0243)		
			Note: Includes screw.		
26 05 29 00-0278	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	3.09	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.43	
26 05 29 00-0279	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.65	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.67	
26 05 29 00-0280	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	4.88	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-2.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0281 Acoustical T-Bar Clips <small>(26 05 29 00-0243)</small> Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0282 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	4.75	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.88	
26 05 29 00-0283 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	4.99	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.98	
26 05 29 00-0284 EA 1" Conduit, Push-In Acoustical T-Bar Clip	5.40	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.85	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-2.10	
26 05 29 00-0285 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0286 Threaded Rod And Rod Accessories <small>(26 05 29 00-0285)</small>		
26 05 29 00-0287 Carbon Steel Threaded Rod <small>(26 05 29 00-0286)</small> Note: Includes plain finish.		
26 05 29 00-0288 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.48	0.52
<i>For Galvanized, Add</i>	0.58	
<i>For Zinc Coated, Add</i>	0.41	
26 05 29 00-0289 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.40	0.55
<i>For Galvanized, Add</i>	0.92	
<i>For Zinc Coated, Add</i>	0.66	
26 05 29 00-0290 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.71	0.57
<i>For Galvanized, Add</i>	1.43	
<i>For Zinc Coated, Add</i>	1.02	
26 05 29 00-0291 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.66	0.58
<i>For Galvanized, Add</i>	2.60	
<i>For Zinc Coated, Add</i>	1.85	
26 05 29 00-0292 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.35	0.60
<i>For Galvanized, Add</i>	2.86	
<i>For Zinc Coated, Add</i>	2.03	
26 05 29 00-0293 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.41	0.68
<i>For Galvanized, Add</i>	4.01	
<i>For Zinc Coated, Add</i>	2.86	
26 05 29 00-0294 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.18	0.76
<i>For Galvanized, Add</i>	5.06	
<i>For Zinc Coated, Add</i>	3.61	
26 05 29 00-0295 Threaded Rod Couplings <small>(26 05 29 00-0286)</small>		
26 05 29 00-0296 EA 3/8" Diameter, Threaded Rod Coupling Nut	6.37	
26 05 29 00-0297 EA 1/2" Diameter, Threaded Rod Coupling Nut	7.20	
26 05 29 00-0298 EA 5/8" Diameter, Threaded Rod Coupling Nut	8.84	
26 05 29 00-0299 EA 3/4" Diameter, Threaded Rod Coupling Nut	10.58	
26 05 29 00-0300 EA 7/8" Diameter, Threaded Rod Coupling Nut	14.88	
26 05 29 00-0301 EA 1" Diameter, Threaded Rod Coupling Nut	17.63	
26 05 29 00-0302 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	32.03	
26 05 29 00-0303 Flat Washers <small>(26 05 29 00-0286)</small>		
26 05 29 00-0304 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.55	0.21
<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0305 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.21
<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0306 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.21
<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0307 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.04	0.41
<i>For Galvanized, Add</i>	0.12	
26 05 29 00-0308 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.16	0.41
<i>For Galvanized, Add</i>	0.14	
26 05 29 00-0309 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.36	0.41
<i>For Galvanized, Add</i>	0.17	
26 05 29 00-0310 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.53	0.41
<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0311 Malleable Iron Eye Sockets <small>(26 05 29 00-0286)</small> Note: Type 16.		
26 05 29 00-0312 EA 3/8" Rod Size, Malleable Iron Eye Socket	7.00	
26 05 29 00-0313 EA 1/2" Rod Size, Malleable Iron Eye Socket	8.33	
26 05 29 00-0314 EA 5/8" Rod Size, Malleable Iron Eye Socket	14.26	
26 05 29 00-0315 EA 3/4" Rod Size, Malleable Iron Eye Socket	20.19	
26 05 29 00-0316 EA 7/8" Rod Size, Malleable Iron Eye Socket	21.54	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0317 Hex Nuts <small>(26 05 29 00-0286)</small>		
26 05 29 00-0318 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.53	0.21
For Galvanized, Add	0.02	
26 05 29 00-0319 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.65	0.21
For Galvanized, Add	0.04	
26 05 29 00-0320 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.87	0.21
For Galvanized, Add	0.08	
26 05 29 00-0321 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.01	0.41
For Galvanized, Add	0.11	
26 05 29 00-0322 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.42	0.41
For Galvanized, Add	0.21	
26 05 29 00-0323 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.80	0.41
For Galvanized, Add	0.28	
26 05 29 00-0324 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.88	0.41
For Galvanized, Add	0.53	
26 05 29 00-0325 Forged Steel Turnbuckles <small>(26 05 29 00-0286)</small>		
Note: Type 13.		
26 05 29 00-0326 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	17.40	
26 05 29 00-0327 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	21.34	
26 05 29 00-0328 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	28.23	
26 05 29 00-0329 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	34.78	
26 05 29 00-0330 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	83.06	
26 05 29 00-0331 EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	56.51	
26 05 29 00-0332 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	111.53	
26 05 29 00-0333 Welded Eye Rod <small>(26 05 29 00-0286)</small>		
26 05 29 00-0334 EA 3/8" Diameter, Welded Eye Rod.....	22.17	
26 05 29 00-0335 EA 1/2" Diameter, Welded Eye Rod.....	25.89	
26 05 29 00-0336 EA 5/8" Diameter, Welded Eye Rod.....	33.20	
26 05 29 00-0337 EA 3/4" Diameter, Welded Eye Rod.....	44.55	
26 05 29 00-0338 EA 7/8" Diameter, Welded Eye Rod.....	63.86	
26 05 29 00-0339 EA 1" Diameter, Welded Eye Rod.....	84.09	
26 05 29 00-0340 Welded Linked Eye Rods <small>(26 05 29 00-0286)</small>		
26 05 29 00-0341 EA 3/8" Diameter, Welded Linked Eye Rods.....	20.90	
26 05 29 00-0342 EA 1/2" Diameter, Welded Linked Eye Rods.....	23.98	
26 05 29 00-0343 EA 5/8" Diameter, Welded Linked Eye Rods.....	29.29	
26 05 29 00-0344 EA 3/4" Diameter, Welded Linked Eye Rods.....	38.27	
26 05 29 00-0345 EA 7/8" Diameter, Welded Linked Eye Rods.....	48.84	
26 05 29 00-0346 EA 1" Diameter, Welded Linked Eye Rods.....	69.69	
26 05 29 00-0347 Attachments <small>(26 05 29 00-0285)</small>		
26 05 29 00-0348 Welded Beam Attachments <small>(26 05 29 00-0347)</small>		
Note: Type 22.		
26 05 29 00-0349 EA 3/8" Rod Size, Welded Beam Attachment.....	32.18	8.22
26 05 29 00-0350 EA 1/2" Rod Size, Welded Beam Attachment.....	34.27	8.63
26 05 29 00-0351 EA 5/8" Rod Size, Welded Beam Attachment.....	36.46	9.13
26 05 29 00-0352 EA 3/4" Rod Size, Welded Beam Attachment.....	45.68	9.70
26 05 29 00-0353 EA 7/8" Rod Size, Welded Beam Attachment.....	54.27	10.27
26 05 29 00-0354 EA 1" Rod Size, Welded Beam Attachment.....	74.95	11.76
26 05 29 00-0355 EA 1-1/8" Rod Size, Welded Beam Attachment.....	104.35	12.34
26 05 29 00-0356 C-Clamp Style Beam Clamps <small>(26 05 29 00-0347)</small>		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0357 EA 3/8" Rod Size, C-Clamp Style Beam Clamp.....	12.21	6.17
26 05 29 00-0358 EA 1/2" Rod Size, C-Clamp Style Beam Clamp.....	14.31	6.59
26 05 29 00-0359 EA 5/8" Rod Size, C-Clamp Style Beam Clamp.....	16.10	7.06
26 05 29 00-0360 EA 3/4" Rod Size, C-Clamp Style Beam Clamp.....	20.18	7.60
26 05 29 00-0361 EA 7/8" Rod Size, C-Clamp Style Beam Clamp.....	28.32	8.23
26 05 29 00-0362 Bottom Mount I-Beam Clamps <small>(26 05 29 00-0347)</small>		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0363 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	30.61	8.23
26 05 29 00-0364 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	43.92	8.99
26 05 29 00-0365 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	61.73	9.88
26 05 29 00-0366 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	73.59	10.98
26 05 29 00-0367 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	173.25	12.36
26 05 29 00-0368 Steel U-Bolts <small>(26 05 29 00-0347)</small>		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0369 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	9.92	4.94
26 05 29 00-0370 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	10.72	5.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0371 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt	11.50	5.49
26 05 29 00-0372 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.92	5.81
26 05 29 00-0373 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	13.40	6.17
26 05 29 00-0374 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt	14.34	6.59
26 05 29 00-0375 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.81	7.06
26 05 29 00-0376 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt	21.78	7.60
26 05 29 00-0377 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt	25.97	8.23
26 05 29 00-0378 Stainless Steel Threaded Rod <small>(26 05 29 00-0285)</small>		
26 05 29 00-0379 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	1.95	0.41
<i>For 316 Stainless Steel, Add</i>	0.46	
26 05 29 00-0380 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.84	0.45
<i>For 316 Stainless Steel, Add</i>	0.79	
26 05 29 00-0381 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.61	0.52
<i>For 316 Stainless Steel, Add</i>	1.04	
26 05 29 00-0382 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.90	0.53
<i>For 316 Stainless Steel, Add</i>	1.56	
26 05 29 00-0383 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.83	0.55
<i>For 316 Stainless Steel, Add</i>	1.92	
26 05 29 00-0384 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.57	0.56
<i>For 316 Stainless Steel, Add</i>	3.02	
26 05 29 00-0385 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.87	0.57
<i>For 316 Stainless Steel, Add</i>	4.35	
26 05 29 00-0386 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.21	0.58
<i>For 316 Stainless Steel, Add</i>	6.10	
26 05 29 00-0387 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.81	0.68
<i>For 316 Stainless Steel, Add</i>	7.87	
26 05 29 00-0388 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	43.67	0.82
<i>For 316 Stainless Steel, Add</i>	16.99	
26 05 29 00-0389 Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
<small>Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.</small>		
26 05 29 00-0390 Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0389)</small>		
26 05 29 00-0391 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0390)</small>		
26 05 29 00-0392 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	40.14	16.45
26 05 29 00-0393 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.65	17.92
26 05 29 00-0394 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	46.81	19.73
26 05 29 00-0395 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.46	21.95
26 05 29 00-0396 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.81	24.67
26 05 29 00-0397 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.41	27.13
26 05 29 00-0398 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.43	29.60
26 05 29 00-0399 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.57	32.07
26 05 29 00-0400 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	95.91	34.54
26 05 29 00-0401 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.54	37.00
26 05 29 00-0402 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0390)</small>		
26 05 29 00-0403 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.60	16.45
26 05 29 00-0404 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.32	17.92
26 05 29 00-0405 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.80	19.73
26 05 29 00-0406 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.23	21.95
26 05 29 00-0407 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	64.50	24.67
26 05 29 00-0408 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.22	27.13
26 05 29 00-0409 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.65	29.60
26 05 29 00-0410 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.52	32.07
26 05 29 00-0411 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.62	34.54
26 05 29 00-0412 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.04	37.00
26 05 29 00-0413 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0390)</small>		
26 05 29 00-0414 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	40.53	16.28
26 05 29 00-0415 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.68	17.76
26 05 29 00-0416 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	49.31	19.73
26 05 29 00-0417 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.29	21.71
26 05 29 00-0418 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.21	24.67
26 05 29 00-0419 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.30	27.13
26 05 29 00-0420 Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0389)</small>		
26 05 29 00-0421 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0420)</small>		
26 05 29 00-0422 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.32	0.49
26 05 29 00-0423 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.67	0.49
26 05 29 00-0424 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	6.78	0.49
26 05 29 00-0425 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.20	0.49
26 05 29 00-0426 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.73	0.49
26 05 29 00-0427 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.01	0.49
26 05 29 00-0428 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.26	0.49

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0429 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	28.42	0.49
26 05 29 00-0430 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	50.14	0.49
26 05 29 00-0431 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	53.27	0.49
26 05 29 00-0432 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0420)		
26 05 29 00-0433 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	8.52	0.98
26 05 29 00-0434 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	8.56	0.98
26 05 29 00-0435 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	8.77	0.98
26 05 29 00-0436 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	10.93	0.98
26 05 29 00-0437 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	11.23	0.98
26 05 29 00-0438 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.83	0.98
26 05 29 00-0439 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.37	0.98
26 05 29 00-0440 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.01	0.98
26 05 29 00-0441 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	16.01	0.98
26 05 29 00-0442 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.33	0.98
26 05 29 00-0443 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0389)		
26 05 29 00-0444 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0443)		
26 05 29 00-0445 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	7.76	0.98
26 05 29 00-0446 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	8.97	0.98
26 05 29 00-0447 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	11.18	0.98
26 05 29 00-0448 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	13.01	0.98
26 05 29 00-0449 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	17.30	0.98
26 05 29 00-0450 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	29.98	0.98
26 05 29 00-0451 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	41.91	0.98
26 05 29 00-0452 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	57.10	0.98
26 05 29 00-0453 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	99.65	0.98
26 05 29 00-0454 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	99.65	0.98
26 05 29 00-0455 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0389)		
26 05 29 00-0456 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0455)		
26 05 29 00-0457 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	5.33	0.66
26 05 29 00-0458 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	6.54	0.74
26 05 29 00-0459 Attachments (26 05 29 00-0389)		
26 05 29 00-0460 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0459)		
26 05 29 00-0461 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	11.87	4.94
26 05 29 00-0462 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.31	5.19
26 05 29 00-0463 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.98	5.52
26 05 29 00-0464 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.79	5.84
26 05 29 00-0465 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.68	6.17
26 05 29 00-0466 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.36	6.59
26 05 29 00-0467 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.64	7.09
26 05 29 00-0468 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.82	7.58
26 05 29 00-0469 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.44	8.23
26 05 29 00-0470 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	39.88	9.39
26 05 29 00-0471 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	49.12	10.87
26 05 29 00-0472 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0459)		
26 05 29 00-0473 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	40.89	16.28
26 05 29 00-0474 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	46.75	16.28
26 05 29 00-0475 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	49.16	16.28
26 05 29 00-0476 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	53.96	17.27
26 05 29 00-0477 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	62.99	19.73
26 05 29 00-0478 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0459)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0479 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	14.72	5.42
26 05 29 00-0480 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	15.55	5.92
26 05 29 00-0481 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	16.94	6.41
26 05 29 00-0482 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	19.13	7.40
26 05 29 00-0483 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	21.86	8.39
26 05 29 00-0484 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.15	8.88
26 05 29 00-0485 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.72	9.86
26 05 29 00-0486 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.46	10.85
26 05 29 00-0487 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	34.22	11.35
26 05 29 00-0488 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	36.10	12.34
26 05 29 00-0489 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.79	13.81
26 05 29 00-0490 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0389)		
26 05 29 00-0491 LF Polyvinyl Chloride (PVC) Coated Channel, A12.....	14.15	2.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0492 LF Polyvinyl Chloride (PVC) Coated Channel, A12A.....	24.72	3.46
26 05 29 00-0493 LF Polyvinyl Chloride (PVC) Coated Channel, A12P.....	15.04	2.47
26 05 29 00-0494 LF Polyvinyl Chloride (PVC) Coated Channel, C14.....	11.38	2.47
26 05 29 00-0495 LF Polyvinyl Chloride (PVC) Coated Channel, C14P.....	11.94	2.47
26 05 29 00-0496 Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.		
26 05 29 00-0497 Polymer Concrete, Box Pads (26 05 29 00-0496)		
26 05 29 00-0498 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	717.70	88.38
26 05 29 00-0499 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	740.05	88.38
26 05 29 00-0500 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	945.45	88.38
26 05 29 00-0501 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	979.51	88.38
26 05 29 00-0502 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	913.75	88.38
26 05 29 00-0503 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,074.58	88.38
26 05 29 00-0504 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,197.90	88.38
26 05 29 00-0505 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,161.44	110.47
26 05 29 00-0506 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,737.64	110.47
26 05 29 00-0507 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,316.69	110.47
26 05 29 00-0508 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0496)		
26 05 29 00-0509 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	352.59	49.85
26 05 29 00-0510 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	413.65	49.85
26 05 29 00-0511 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	532.87	66.28
26 05 29 00-0512 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	555.56	66.28
26 05 29 00-0513 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	786.59	66.28
26 05 29 00-0514 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	818.69	66.28
26 05 29 00-0515 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	878.52	66.28
26 05 29 00-0516 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	878.52	66.28
26 05 29 00-0517 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,630.15	66.28
26 05 29 00-0518 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,844.62	66.28
26 05 29 00-0519 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0496)		
26 05 29 00-0520 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	223.26	49.85
26 05 29 00-0521 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	238.96	49.85
26 05 29 00-0522 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	253.26	49.85
26 05 29 00-0523 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	300.76	49.85
26 05 29 00-0524 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	279.56	49.85
26 05 29 00-0525 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	289.55	49.85
26 05 29 00-0526 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	315.44	49.85
26 05 29 00-0527 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	330.55	49.85
26 05 29 00-0528 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	380.99	49.85
26 05 29 00-0529 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	464.09	49.85
26 05 29 00-0530 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	675.29	66.28
26 05 29 00-0531 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	705.66	66.28
26 05 29 00-0532 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	715.24	66.28
26 05 29 00-0533 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	779.08	66.28
26 05 29 00-0534 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,633.04	66.28
26 05 29 00-0535 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,919.07	66.28
26 05 33 Raceway And Boxes For Electrical Systems (26 05)		
26 05 33 13 Conduit For Electrical Systems (26 05 33)		
26 05 33 13-0001 Conduit Assemblies (26 05 33 13)		
Note: With fittings and wire.		
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly.....	548.79	247.39
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		148.43
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly.....	601.32	270.32
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		162.18
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly.....	583.07	258.74
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		155.23
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly.....	647.67	285.73
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		171.44
26 05 33 13-0007 CLF 3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly.....	632.76	282.04
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		169.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	686.16 183.08	305.12
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	738.58 196.80	327.97
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	791.31 210.60	350.98
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	667.56 176.03	293.40
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	731.77 192.12	320.23
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	795.62 208.10	346.84
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	859.44 224.07	373.46
26 05 33 13-0015	CLF	1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	779.54 204.06	340.08
26 05 33 13-0016	CLF	1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	831.32 217.58	362.63
26 05 33 13-0017	CLF	1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	877.65 231.48	385.63
26 05 33 13-0018	CLF	1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	936.04 244.97	408.63
26 05 33 13-0019	CLF	1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	812.98 210.60	350.98
26 05 33 13-0020	CLF	1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	876.51 226.49	377.51
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	941.15 242.70	404.58
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,006.65 258.84	430.96
26 05 33 13-0023		Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, terminations, straps, wire as indicated. Per CLF.		
26 05 33 13-0024	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	658.54 165.76	276.26
26 05 33 13-0025	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	711.53 179.64	299.41
26 05 33 13-0026	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	692.85 172.56	287.60
26 05 33 13-0027	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	756.00 188.33	313.91
26 05 33 13-0028	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	751.64 187.66	312.79
26 05 33 13-0029	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	925.34 237.76	396.31
26 05 33 13-0030	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	855.88 214.91	358.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0031 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	785.22	323.99
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	194.25	
26 05 33 13-0032 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	848.90	350.68
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	210.18	
26 05 33 13-0033 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	913.84	377.29
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	226.49	
26 05 33 13-0034 CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	962.21	391.64
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	235.10	
26 05 33 13-0035 CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	1,013.38	414.57
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	248.44	
26 05 33 13-0036 CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	1,067.71	437.42
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	262.73	
26 05 33 13-0037 CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	1,006.80	406.68
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	243.83	
26 05 33 13-0038 CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,071.69	433.29
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	260.12	
26 05 33 13-0039 CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....	1,134.61	459.97
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	275.83	
 26 05 33 13-0040 Conduit <small>(26 05 33 13)</small>		
Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit.		
Add couplings as required at each fitting.		
 26 05 33 13-0041 Conduit Installed Above Grade <small>(26 05 33 13-0040)</small>		
See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
 26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
 26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.61	1.65
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.46	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
For Installation Above 14', Add	0.62	
26 05 33 13-0045 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.34	1.80
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.52	
For Installation In Metal Stud Wall, Add	0.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.09	2.11
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.68	
For Installation In Metal Stud Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.79	2.41
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.83	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.38	2.71
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.97	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
For Installation Above 14', Add	1.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.44	3.31
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.24	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	21.51	4.51
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.87	
For Installation In Metal Stud Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.05	6.02
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.73	
For >1,000, Deduct	-2.43	
For Installation In Metal Stud Wall, Add	1.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.26	
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	34.67	7.52
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-2.13	
For >1,000, Deduct	-3.00	
For Installation In Metal Stud Wall, Add	1.88	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.82	
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	41.02	9.02
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.54	
For Installation In Metal Stud Wall, Add	2.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.38	
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.00	11.43
For >250 To 500, Deduct	-1.87	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.89	
For Installation In Metal Stud Wall, Add	2.86	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.28	
For Work In Restricted Working Space, Add	8.57	
For Installation Above 14', Add	4.28	
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	88.71	14.44
For >250 To 500, Deduct	-2.63	
For >500 To 1,000, Deduct	-5.75	
For >1,000, Deduct	-7.97	
For Installation In Metal Stud Wall, Add	3.61	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.41	
For Work In Restricted Working Space, Add	10.82	
For Installation Above 14', Add	5.41	
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0057 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	63.70	16.61
For Work In Restricted Working Space, Add	12.45	
For Installation Above 14', Add	6.22	
26 05 33 13-0058 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	91.44	20.74
For Work In Restricted Working Space, Add	15.56	
For Installation Above 14', Add	7.78	
26 05 33 13-0059 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	129.58	28.26
For Work In Restricted Working Space, Add	21.20	
For Installation Above 14', Add	10.60	
26 05 33 13-0060 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	171.83	31.87
For Work In Restricted Working Space, Add	23.91	
For Installation Above 14', Add	11.96	
26 05 33 13-0061 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	209.89	41.50
For Work In Restricted Working Space, Add	31.12	
For Installation Above 14', Add	15.56	
26 05 33 13-0062 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	343.35	67.66
For Work In Restricted Working Space, Add	50.75	
For Installation Above 14', Add	25.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0063 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	516.18 76.22 38.11	101.63
26 05 33 13-0064 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0065 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.57 5.60 2.80	7.44
26 05 33 13-0066 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.35 6.96 3.48	9.24
26 05 33 13-0067 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.21 8.49 4.24	11.35
26 05 33 13-0068 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.42 9.86 4.93	13.15
26 05 33 13-0069 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.88 11.32 5.66	15.11
26 05 33 13-0070 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	63.70 12.45 6.22	16.61
26 05 33 13-0071 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.83 15.56 7.78	20.74
26 05 33 13-0072 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.32 21.20 10.60	28.26
26 05 33 13-0073 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	163.02 23.91 11.96	31.87
26 05 33 13-0074 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	198.18 31.12 15.56	41.50
26 05 33 13-0075 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	343.35 50.75 25.37	67.66
26 05 33 13-0076 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	516.18 76.22 38.11	101.63
26 05 33 13-0077 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0078 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.01 11.14 5.57	18.57
26 05 33 13-0079 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.53 12.90 6.45	21.50
26 05 33 13-0080 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	74.67 14.66 7.33	24.43
26 05 33 13-0081 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.14 16.13 8.06	26.87
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	60.90 11.14 5.57	18.57
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.82 12.90 6.45	21.50
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.53 14.66 7.33	24.43
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.35 16.13 8.06	26.87
26 05 33 13-0087 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.18 20.23 10.11	33.72
26 05 33 13-0088 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	156.34 27.56 13.78	45.93
26 05 33 13-0089 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2302 for conduit field bending.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0090	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	61.13 11.14 5.57	18.57
26 05 33	13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	70.20 12.90 6.45	21.50
26 05 33	13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	80.63 14.66 7.33	24.43
26 05 33	13-0093	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	94.28 16.13 8.06	26.87
26 05 33	13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	122.63 20.23 10.11	33.72
26 05 33	13-0095	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	161.55 27.56 13.78	45.93
26 05 33	13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	202.10 31.08 15.54	51.79
26 05 33	13-0097	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	244.93 40.46 20.23	67.42
26 05 33	13-0098		Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33	13-0099	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	68.93 11.14 5.57	18.57
26 05 33	13-0100	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	77.86 12.90 6.45	21.50
26 05 33	13-0101	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	86.36 14.66 7.33	24.43
26 05 33	13-0102	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	102.73 16.13 8.06	26.87
26 05 33	13-0103	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	134.16 20.23 10.11	33.72
26 05 33	13-0104	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	179.62 27.56 13.78	45.93
26 05 33	13-0105	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	219.67 31.08 15.54	51.79
26 05 33	13-0106	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	258.94 40.46 20.23	67.42
26 05 33	13-0107		Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33	13-0108	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	68.46 11.14 5.57	18.57
26 05 33	13-0109	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	83.55 12.90 6.45	21.50
26 05 33	13-0110	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	92.52 14.66 7.33	24.43
26 05 33	13-0111	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	110.78 16.13 8.06	26.87
26 05 33	13-0112	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	145.22 20.23 10.11	33.72
26 05 33	13-0113	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	193.89 27.56 13.78	45.93
26 05 33	13-0114	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	237.03 31.08 15.54	51.79
26 05 33	13-0115	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	284.64 40.46 20.23	67.42
26 05 33	13-0116	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	412.26 65.96 32.98	109.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0117 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0118 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	72.63	18.57
For Work In Restricted Working Space, Add		11.14
For Installation Above 14', Add		5.57
26 05 33 13-0119 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	86.35	21.50
For Work In Restricted Working Space, Add		12.90
For Installation Above 14', Add		6.45
26 05 33 13-0120 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	103.32	24.43
For Work In Restricted Working Space, Add		14.66
For Installation Above 14', Add		7.33
26 05 33 13-0121 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	117.07	26.87
For Work In Restricted Working Space, Add		16.13
For Installation Above 14', Add		8.06
26 05 33 13-0122 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	158.33	33.72
For Work In Restricted Working Space, Add		20.23
For Installation Above 14', Add		10.11
26 05 33 13-0123 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	206.09	45.93
For Work In Restricted Working Space, Add		27.56
For Installation Above 14', Add		13.78
26 05 33 13-0124 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	259.46	51.79
For Work In Restricted Working Space, Add		31.08
For Installation Above 14', Add		15.54
26 05 33 13-0125 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	296.73	67.42
For Work In Restricted Working Space, Add		40.46
For Installation Above 14', Add		20.23
26 05 33 13-0126 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	510.92	109.93
For Work In Restricted Working Space, Add		65.96
For Installation Above 14', Add		32.98
26 05 33 13-0127 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	650.06	165.15
For Work In Restricted Working Space, Add		99.09
For Installation Above 14', Add		49.55
26 05 33 13-0128 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0129 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	78.73	18.57
For Work In Restricted Working Space, Add		11.14
For Installation Above 14', Add		5.57
26 05 33 13-0130 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	93.80	21.50
For Work In Restricted Working Space, Add		12.90
For Installation Above 14', Add		6.45
26 05 33 13-0131 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	111.24	24.43
For Work In Restricted Working Space, Add		14.66
For Installation Above 14', Add		7.33
26 05 33 13-0132 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	125.35	26.87
For Work In Restricted Working Space, Add		16.13
For Installation Above 14', Add		8.06
26 05 33 13-0133 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	168.37	33.72
For Work In Restricted Working Space, Add		20.23
For Installation Above 14', Add		10.11
26 05 33 13-0134 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	223.97	45.93
For Work In Restricted Working Space, Add		27.56
For Installation Above 14', Add		13.78
26 05 33 13-0135 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	277.39	51.79
For Work In Restricted Working Space, Add		31.08
For Installation Above 14', Add		15.54
26 05 33 13-0136 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	348.33	67.42
For Work In Restricted Working Space, Add		40.46
For Installation Above 14', Add		20.23
26 05 33 13-0137 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	582.10	109.93
For Work In Restricted Working Space, Add		65.96
For Installation Above 14', Add		32.98
26 05 33 13-0138 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	711.69	165.15
For Work In Restricted Working Space, Add		99.09
For Installation Above 14', Add		49.55
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	83.81	18.57
For Work In Restricted Working Space, Add		11.14
For Installation Above 14', Add		5.57
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	99.55	21.50
For Work In Restricted Working Space, Add		12.90
For Installation Above 14', Add		6.45
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	116.25	24.43
For Work In Restricted Working Space, Add		14.66
For Installation Above 14', Add		7.33
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	140.83	26.87
For Work In Restricted Working Space, Add		16.13
For Installation Above 14', Add		8.06
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	186.87	33.72
For Work In Restricted Working Space, Add		20.23
For Installation Above 14', Add		10.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0145	EA		3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	241.99	45.93
			<i>For Work In Restricted Working Space, Add</i>	27.56	
			<i>For Installation Above 14', Add</i>	13.78	
26 05 33 13-0146	EA		3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	299.93	51.79
			<i>For Work In Restricted Working Space, Add</i>	31.08	
			<i>For Installation Above 14', Add</i>	15.54	
26 05 33 13-0147	EA		4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	375.71	67.42
			<i>For Work In Restricted Working Space, Add</i>	40.46	
			<i>For Installation Above 14', Add</i>	20.23	
26 05 33 13-0148	EA		5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	604.38	109.93
			<i>For Work In Restricted Working Space, Add</i>	65.96	
			<i>For Installation Above 14', Add</i>	32.98	
26 05 33 13-0149	EA		6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	724.16	165.15
			<i>For Work In Restricted Working Space, Add</i>	99.09	
			<i>For Installation Above 14', Add</i>	49.55	
26 05 33 13-0150			Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0151	EA		1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	9.85	4.79
			<i>For Work In Restricted Working Space, Add</i>	2.87	
			<i>For Installation Above 14', Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.87	
26 05 33 13-0152	EA		3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.59	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-0153	EA		1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.05	5.75
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.45	
26 05 33 13-0154	EA		1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.58	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-0155	EA		1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.06	7.99
			<i>For Work In Restricted Working Space, Add</i>	4.79	
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-0156	EA		2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.19	9.58
			<i>For Work In Restricted Working Space, Add</i>	5.75	
			<i>For Installation Above 14', Add</i>	2.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.75	
26 05 33 13-0157	EA		2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.84	11.18
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Installation Above 14', Add</i>	3.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33 13-0158	EA		3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	30.27	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0159	EA		3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	67.44	24.35
			<i>For Work In Restricted Working Space, Add</i>	18.27	
			<i>For Installation Above 14', Add</i>	9.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.27	
26 05 33 13-0160	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	39.16	15.97
			<i>For Work In Restricted Working Space, Add</i>	9.59	
			<i>For Installation Above 14', Add</i>	4.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.59	
26 05 33 13-0161	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	47.44	17.58
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Installation Above 14', Add</i>	5.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-0162	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	69.48	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
			<i>For Installation Above 14', Add</i>	5.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50	
26 05 33 13-0163			Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0164	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing	11.96	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0165	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing	13.03	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33 13-0166	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing	15.27	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-0167	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	17.18	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0168 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.96 5.64 2.82 5.64	9.39
26 05 33 13-0169 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.96 6.77 3.38 6.77	11.28
26 05 33 13-0170 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.01 7.89 3.95 7.89	13.15
26 05 33 13-0171 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.12 9.02 4.51 9.02	15.04
26 05 33 13-0172 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.63 10.15 5.07 10.15	16.91
26 05 33 13-0173 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.79 11.28 5.64 11.28	18.79
26 05 33 13-0174 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.04 12.41 6.20 12.41	20.67
26 05 33 13-0175 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.30 13.53 6.77 13.53	22.55
26 05 33 13-0176 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0042)		
26 05 33 13-0177 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.77 3.38 1.69 3.38	5.63
26 05 33 13-0178 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24 3.61 1.80 3.61	6.02
26 05 33 13-0179 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.80 4.06 2.03 4.06	6.77
26 05 33 13-0180 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.77 4.51 2.26 4.51	7.52
26 05 33 13-0181 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65 5.64 2.82 5.64	9.39
26 05 33 13-0182 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.74 6.77 3.38 6.77	11.28
26 05 33 13-0183 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.49 7.89 3.95 7.89	13.15
26 05 33 13-0184 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.71 9.02 4.51 9.02	15.04
26 05 33 13-0185 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.05 10.15 5.07 10.15	16.91
26 05 33 13-0186 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.12 11.28 5.64 11.28	18.79
26 05 33 13-0187 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.94 12.41 6.20 12.41	20.67
26 05 33 13-0188 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.73 13.53 6.77 13.53	22.55

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0189		Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0042)		
	26 05 33 13-0190	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	19.55	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
	26 05 33 13-0191	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	21.90	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	26 05 33 13-0192	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.09	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
	26 05 33 13-0193	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.86	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
	26 05 33 13-0194	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.08	11.65
			<i>For Work In Restricted Working Space, Add</i>	6.99	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
	26 05 33 13-0195	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	45.57	13.91
			<i>For Work In Restricted Working Space, Add</i>	8.34	
			<i>For Installation Above 14', Add</i>	4.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.34	
	26 05 33 13-0196	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	61.32	16.16
			<i>For Work In Restricted Working Space, Add</i>	9.70	
			<i>For Installation Above 14', Add</i>	4.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.70	
	26 05 33 13-0197	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	67.51	18.79
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
	26 05 33 13-0198	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	76.37	21.04
			<i>For Work In Restricted Working Space, Add</i>	12.63	
			<i>For Installation Above 14', Add</i>	6.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
	26 05 33 13-0199	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	99.06	23.30
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
	26 05 33 13-0200	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	141.39	25.56
			<i>For Work In Restricted Working Space, Add</i>	15.33	
			<i>For Installation Above 14', Add</i>	7.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
	26 05 33 13-0201	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	195.55	28.19
			<i>For Work In Restricted Working Space, Add</i>	16.91	
			<i>For Installation Above 14', Add</i>	8.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.91	
26 05 33	13-0202		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0042)		
	26 05 33 13-0203	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	10.96	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
	26 05 33 13-0204	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	13.23	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.98	
			<i>For Installation Above 14', Add</i>	1.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.98	
	26 05 33 13-0205	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	17.23	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.59	
	26 05 33 13-0206	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	25.21	5.94
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
	26 05 33 13-0207	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	34.10	7.97
			<i>For Work In Restricted Working Space, Add</i>	5.98	
			<i>For Installation Above 14', Add</i>	2.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.98	
	26 05 33 13-0208	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	57.64	11.95
			<i>For Work In Restricted Working Space, Add</i>	8.96	
			<i>For Installation Above 14', Add</i>	4.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.96	
	26 05 33 13-0209	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	101.80	13.23
			<i>For Work In Restricted Working Space, Add</i>	9.92	
			<i>For Installation Above 14', Add</i>	4.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
	26 05 33 13-0210	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	121.40	16.01
			<i>For Work In Restricted Working Space, Add</i>	12.02	
			<i>For Installation Above 14', Add</i>	6.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0211 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	163.75	20.07
<i>For Work In Restricted Working Space, Add</i>	15.05	
<i>For Installation Above 14', Add</i>	7.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
26 05 33 13-0212 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	191.97	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0213 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	333.28	26.76
<i>For Work In Restricted Working Space, Add</i>	20.05	
<i>For Installation Above 14', Add</i>	10.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.05	
26 05 33 13-0214 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	397.71	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0215 Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Bodies		
With Cover <small>(26 05 33 13-0042)</small>		
26 05 33 13-0216 EA 1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	49.15	14.44
<i>For Mogul LB, Add</i>	8.00	
<i>For Work In Restricted Working Space, Add</i>	10.82	
<i>For Installation Above 14', Add</i>	5.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33 13-0217 EA 3/4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	57.04	16.53
<i>For Mogul LB, Add</i>	9.70	
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0218 EA 1" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	71.33	19.24
<i>For Mogul LB, Add</i>	15.01	
<i>For Work In Restricted Working Space, Add</i>	14.43	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33 13-0219 EA 1-1/4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	89.47	21.95
<i>For Mogul LB, Add</i>	23.21	
<i>For Work In Restricted Working Space, Add</i>	16.46	
<i>For Installation Above 14', Add</i>	8.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-0220 EA 1-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	94.74	24.05
<i>For Mogul LB, Add</i>	22.94	
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0221 EA 2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	144.44	28.86
<i>For Mogul LB, Add</i>	50.59	
<i>For Work In Restricted Working Space, Add</i>	21.65	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33 13-0222 EA 2-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	246.80	40.60
<i>For Mogul LB, Add</i>	103.92	
<i>For Work In Restricted Working Space, Add</i>	30.44	
<i>For Installation Above 14', Add</i>	15.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.44	
26 05 33 13-0223 EA 3" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	322.92	54.12
<i>For Mogul LB, Add</i>	133.94	
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0224 EA 3-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	489.38	67.66
<i>For Mogul LB, Add</i>	231.72	
<i>For Work In Restricted Working Space, Add</i>	50.74	
<i>For Installation Above 14', Add</i>	25.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33 13-0225 EA 4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	600.41	82.38
<i>For Mogul LB, Add</i>	285.53	
<i>For Work In Restricted Working Space, Add</i>	61.79	
<i>For Installation Above 14', Add</i>	30.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0226 Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Bodies With		
Cover <small>(26 05 33 13-0042)</small>		
26 05 33 13-0227 EA 1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	57.19	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0228 EA 3/4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	66.95	19.24
<i>For Work In Restricted Working Space, Add</i>	14.43	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0229 EA 1" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	80.61	21.04
For Work In Restricted Working Space, Add	15.79	
For Installation Above 14', Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0230 EA 1-1/4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	99.35	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 05 33 13-0231 EA 1-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	116.90	26.46
For Work In Restricted Working Space, Add	19.85	
For Installation Above 14', Add	9.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.85	
26 05 33 13-0232 EA 2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	156.62	30.97
For Work In Restricted Working Space, Add	23.23	
For Installation Above 14', Add	11.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.23	
26 05 33 13-0233 EA 2-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	263.46	45.11
For Work In Restricted Working Space, Add	33.83	
For Installation Above 14', Add	16.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.83	
26 05 33 13-0234 EA 3" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	360.33	58.63
For Work In Restricted Working Space, Add	43.97	
For Installation Above 14', Add	21.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.97	
26 05 33 13-0235 EA 3-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	537.17	72.17
For Work In Restricted Working Space, Add	54.12	
For Installation Above 14', Add	27.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.12	
26 05 33 13-0236 EA 4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	641.10	86.90
For Work In Restricted Working Space, Add	65.18	
For Installation Above 14', Add	32.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.18	
26 05 33 13-0237 Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Bodies With Cover		
<small>(26 05 33 13-0042)</small>		
26 05 33 13-0238 EA 1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	44.34	14.44
For Work In Restricted Working Space, Add	10.82	
For Installation Above 14', Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-0239 EA 3/4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	53.21	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-0240 EA 1" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	64.58	18.94
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0241 EA 1-1/4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	80.04	21.95
For Work In Restricted Working Space, Add	16.46	
For Installation Above 14', Add	8.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-0242 EA 1-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	87.57	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 05 33 13-0243 EA 2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	117.85	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0244 EA 2-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	168.79	40.60
For Work In Restricted Working Space, Add	30.44	
For Installation Above 14', Add	15.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.44	
26 05 33 13-0245 EA 3" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	222.81	54.12
For Work In Restricted Working Space, Add	40.59	
For Installation Above 14', Add	20.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.59	
26 05 33 13-0246 EA 3-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	296.95	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0247 EA 4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	374.23	82.38
For Work In Restricted Working Space, Add	61.79	
For Installation Above 14', Add	30.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.79	
26 05 33 13-0248 Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Bodies With Cover		
<small>(26 05 33 13-0042)</small>		
26 05 33 13-0249 EA 1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	57.94	18.94
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0250 EA 3/4" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	65.34	21.04
For Work In Restricted Working Space, Add	15.79	
For Installation Above 14', Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0251 EA 1" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	76.96	23.15
For Work In Restricted Working Space, Add	17.36	
For Installation Above 14', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33 13-0252 EA 1-1/4" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	94.11	26.46
For Work In Restricted Working Space, Add	19.85	
For Installation Above 14', Add	9.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.85	
26 05 33 13-0253 EA 1-1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	109.46	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0254 EA 2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	146.33	35.48
For Work In Restricted Working Space, Add	26.61	
For Installation Above 14', Add	13.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.61	
26 05 33 13-0255 EA 2-1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	229.86	52.01
For Work In Restricted Working Space, Add	39.02	
For Installation Above 14', Add	19.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.02	
26 05 33 13-0256 EA 3" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	300.44	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0257 EA 3-1/2" Rigid Galvanized Steel (RGS) Types X Four Hub Conduit Body With Cover	452.91	83.59
For Work In Restricted Working Space, Add	62.69	
For Installation Above 14', Add	31.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.69	
26 05 33 13-0258 EA 4" Rigid Galvanized Steel (RGS) Type X Fours Hub Conduit Body With Cover	524.01	100.43
For Work In Restricted Working Space, Add	75.32	
For Installation Above 14', Add	37.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.32	
26 05 33 13-0259 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0260 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	10.68	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0261 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	12.29	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0262 EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	15.69	7.14
For Work In Restricted Working Space, Add	4.28	
For Installation Above 14', Add	2.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0263 EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	18.32	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0264 EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	20.91	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0265 EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.75	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0266 EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.40	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0267 EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.81	7.14
For Work In Restricted Working Space, Add	4.28	
For Installation Above 14', Add	2.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0268 EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.49	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0269 EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	21.18	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0270 EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.93	10.53
For Work In Restricted Working Space, Add	6.31	
For Installation Above 14', Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0271	EA	1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	10.83	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33	13-0272	EA	3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	12.50	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-0273	EA	1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	15.99	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33	13-0274	EA	1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	18.64	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33	13-0275	EA	1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	21.37	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0276	EA	2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	24.39	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33	13-0277	EA	2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	32.47	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33	13-0278	EA	3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	43.82	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33	13-0279	EA	1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.93	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33	13-0280	EA	3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.56	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-0281	EA	1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	16.22	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33	13-0282	EA	1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.93	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33	13-0283	EA	1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	21.75	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0284	EA	2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	24.85	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33	13-0285	EA	2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	33.73	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33	13-0286	EA	3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	44.91	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33	13-0287	EA	1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.02	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33	13-0288	EA	3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	12.73	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-0289	EA	1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	16.36	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33	13-0290	EA	1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	19.07	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33	13-0291	EA	1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	22.01	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0292 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25 6.31 3.16 6.31	10.53
26 05 33 13-0293 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.11 7.67 3.83 7.67	12.78
26 05 33 13-0294 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.72 10.60 5.30 10.60	17.67
26 05 33 13-0295 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.47 11.95 5.97 11.95	19.92
26 05 33 13-0296 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.06 15.56 7.78 15.56	25.94
26 05 33 13-0297 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17 2.93 1.47 2.93	4.88
26 05 33 13-0298 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.95 3.38 1.69 3.38	5.63
26 05 33 13-0299 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63 4.28 2.14 4.28	7.14
26 05 33 13-0300 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.48 4.96 2.48 4.96	8.27
26 05 33 13-0301 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41 5.64 2.82 5.64	9.39
26 05 33 13-0302 EA 2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95 6.31 3.16 6.31	10.53
26 05 33 13-0303 EA 2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.67 7.67 3.83 7.67	12.78
26 05 33 13-0304 EA 3" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.41 10.60 5.30 10.60	17.67
26 05 33 13-0305 EA 3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.15 11.95 5.97 11.95	19.92
26 05 33 13-0306 EA 4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.51 15.56 7.78 15.56	25.94
26 05 33 13-0307 EA 5" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.71 21.42 10.71 21.42	35.70
26 05 33 13-0308 EA 6" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.89 27.49 13.74 27.49	45.78
26 05 33 13-0309 EA 1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.44 2.93 1.47 2.93	4.88
26 05 33 13-0310 EA 3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.22 3.38 1.69 3.38	5.63
26 05 33 13-0311 EA 1" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.85 4.28 2.14 4.28	7.14
26 05 33 13-0312 EA 1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85 4.96 2.48 4.96	8.27

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0313	EA	1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24 5.64 2.82 5.64	9.39
26 05 33	13-0314	EA	2" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.65 6.31 3.16 6.31	10.53
26 05 33	13-0315	EA	2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03 7.67 3.83 7.67	12.78
26 05 33	13-0316	EA	3" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.12 10.60 5.30 10.60	17.67
26 05 33	13-0317	EA	3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.20 11.95 5.97 11.95	19.92
26 05 33	13-0318	EA	4" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.45 15.56 7.78 15.56	25.94
26 05 33	13-0319	EA	5" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.56 21.42 10.71 21.42	35.70
26 05 33	13-0320	EA	6" x 6" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.06 27.49 13.74 27.49	45.78
26 05 33	13-0321	EA	1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43 2.93 1.47 2.93	4.88
26 05 33	13-0322	EA	3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48 3.38 1.69 3.38	5.63
26 05 33	13-0323	EA	1" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.34 4.28 2.14 4.28	7.14
26 05 33	13-0324	EA	1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.96 4.96 2.48 4.96	8.27
26 05 33	13-0325	EA	1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.59 5.64 2.82 5.64	9.39
26 05 33	13-0326	EA	2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.14 6.31 3.16 6.31	10.53
26 05 33	13-0327	EA	2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.65 7.67 3.83 7.67	12.78
26 05 33	13-0328	EA	3" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.28 10.60 5.30 10.60	17.67
26 05 33	13-0329	EA	3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.34 11.95 5.97 11.95	19.92
26 05 33	13-0330	EA	4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.03 15.56 7.78 15.56	25.94
26 05 33	13-0331	EA	5" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.16 21.42 10.71 21.42	35.70
26 05 33	13-0332	EA	6" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.47 27.49 13.74 27.49	45.78
26 05 33	13-0333	EA	1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.09 2.93 1.47 2.93	4.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0334 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	15.13	5.63
<i>For Work In Restricted Working Space, Add</i>	3.38	
<i>For Installation Above 14', Add</i>	1.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0335 EA 1" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	19.52	7.14
<i>For Work In Restricted Working Space, Add</i>	4.28	
<i>For Installation Above 14', Add</i>	2.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0336 EA 1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	23.36	8.27
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0337 EA 1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	26.97	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0338 EA 2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	30.74	10.53
<i>For Work In Restricted Working Space, Add</i>	6.31	
<i>For Installation Above 14', Add</i>	3.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0339 EA 2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	43.08	12.78
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0340 EA 3" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	56.54	17.67
<i>For Work In Restricted Working Space, Add</i>	10.60	
<i>For Installation Above 14', Add</i>	5.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0341 EA 3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	64.64	19.92
<i>For Work In Restricted Working Space, Add</i>	11.95	
<i>For Installation Above 14', Add</i>	5.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0342 EA 4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	80.47	25.94
<i>For Work In Restricted Working Space, Add</i>	15.56	
<i>For Installation Above 14', Add</i>	7.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-0343 EA 5" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	120.36	35.70
<i>For Work In Restricted Working Space, Add</i>	21.42	
<i>For Installation Above 14', Add</i>	10.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0344 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	156.42	45.78
<i>For Work In Restricted Working Space, Add</i>	27.49	
<i>For Installation Above 14', Add</i>	13.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-0345 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	13.60	4.88
<i>For Work In Restricted Working Space, Add</i>	2.93	
<i>For Installation Above 14', Add</i>	1.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0346 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	15.60	5.63
<i>For Work In Restricted Working Space, Add</i>	3.38	
<i>For Installation Above 14', Add</i>	1.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0347 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	20.22	7.14
<i>For Work In Restricted Working Space, Add</i>	4.28	
<i>For Installation Above 14', Add</i>	2.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0348 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	24.49	8.27
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0349 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	27.67	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0350 EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	32.08	10.53
<i>For Work In Restricted Working Space, Add</i>	6.31	
<i>For Installation Above 14', Add</i>	3.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0351 EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	45.94	12.78
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0352 EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	61.08	17.67
<i>For Work In Restricted Working Space, Add</i>	10.60	
<i>For Installation Above 14', Add</i>	5.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0353 EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	68.83	19.92
<i>For Work In Restricted Working Space, Add</i>	11.95	
<i>For Installation Above 14', Add</i>	5.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0354 EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	85.93	25.94
<i>For Work In Restricted Working Space, Add</i>	15.56	
<i>For Installation Above 14', Add</i>	7.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0355	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	130.71	35.70
			<i>For Work In Restricted Working Space, Add</i>	21.42	
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33	13-0356	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	163.62	45.78
			<i>For Work In Restricted Working Space, Add</i>	27.49	
			<i>For Installation Above 14', Add</i>	13.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-0357 Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-00-42)</small>					
26 05 33	13-0358	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	11.12	3.91
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Installation Above 14', Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33	13-0359	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	13.15	4.51
			<i>For Work In Restricted Working Space, Add</i>	3.36	
			<i>For Installation Above 14', Add</i>	1.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.36	
26 05 33	13-0360	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	16.55	5.71
			<i>For Work In Restricted Working Space, Add</i>	4.30	
			<i>For Installation Above 14', Add</i>	2.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.30	
26 05 33	13-0361	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	20.76	6.84
			<i>For Work In Restricted Working Space, Add</i>	5.15	
			<i>For Installation Above 14', Add</i>	2.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 05 33	13-0362	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.73	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0363	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	29.40	9.24
			<i>For Work In Restricted Working Space, Add</i>	6.95	
			<i>For Installation Above 14', Add</i>	3.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 05 33	13-0364	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	47.97	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0365	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	75.43	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33	13-0366	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	92.76	24.50
			<i>For Work In Restricted Working Space, Add</i>	18.28	
			<i>For Installation Above 14', Add</i>	9.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.28	
26 05 33	13-0367	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	110.71	28.26
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For Installation Above 14', Add</i>	10.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.20	
26 05 33 13-0368 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-00-42)</small>					
Note: Erickson fittings.					
26 05 33	13-0369	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	31.99	12.03
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0370	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	36.01	13.45
			<i>For Work In Restricted Working Space, Add</i>	10.08	
			<i>For Installation Above 14', Add</i>	5.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33	13-0371	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.87	14.96
			<i>For Work In Restricted Working Space, Add</i>	11.23	
			<i>For Installation Above 14', Add</i>	5.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.23	
26 05 33	13-0372	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	50.43	16.38
			<i>For Work In Restricted Working Space, Add</i>	12.29	
			<i>For Installation Above 14', Add</i>	6.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33	13-0373	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	56.16	17.89
			<i>For Work In Restricted Working Space, Add</i>	13.44	
			<i>For Installation Above 14', Add</i>	6.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	
26 05 33	13-0374	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	71.26	19.39
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-0375	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	112.79	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0376 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	155.09	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0377 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	223.35	36.08
<i>For Work In Restricted Working Space, Add</i>	27.07	
<i>For Installation Above 14', Add</i>	13.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.07	
26 05 33 13-0378 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	254.25	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	
26 05 33 13-0379 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	441.54	48.11
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33 13-0380 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	567.29	55.62
<i>For Work In Restricted Working Space, Add</i>	41.72	
<i>For Installation Above 14', Add</i>	20.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.72	
26 05 33 13-0381 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0382 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	18.44	6.02
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
26 05 33 13-0383 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.56	6.62
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0384 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	23.59	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0385 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	26.61	8.12
<i>For Work In Restricted Working Space, Add</i>	6.09	
<i>For Installation Above 14', Add</i>	3.04	
26 05 33 13-0386 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	31.36	9.02
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0387 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	37.82	9.93
<i>For Work In Restricted Working Space, Add</i>	7.44	
<i>For Installation Above 14', Add</i>	3.72	
26 05 33 13-0388 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	50.95	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0389 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	63.06	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0390 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	75.76	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0391 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	85.26	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0392 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>		
26 05 33 13-0393 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	16.85	6.77
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Installation Above 14', Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-0394 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	18.77	7.52
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33 13-0395 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	23.17	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0396 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	28.50	11.28
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33 13-0397 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	36.61	15.04
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33 13-0398 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	42.57	16.91
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33 13-0399 EA 2-1/2" Water Tight Conduit Hubs.....	52.42	18.79
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0400 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	70.61	23.68
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0401 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	83.83	28.56
For Work In Restricted Working Space, Add	17.14	
For Installation Above 14', Add	8.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.14	
26 05 33 13-0402 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	102.86	33.83
For Work In Restricted Working Space, Add	20.30	
For Installation Above 14', Add	10.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.30	
26 05 33 13-0403 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^{(26 05}		
^{33 13-0042)}		
Note: Type AX		
26 05 33 13-0404 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	77.88	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
26 05 33 13-0405 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	88.39	13.54
For Work In Restricted Working Space, Add	10.15	
For Installation Above 14', Add	5.07	
26 05 33 13-0406 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	104.71	15.04
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
26 05 33 13-0407 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	128.30	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
26 05 33 13-0408 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	161.30	18.04
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
26 05 33 13-0409 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	223.15	19.54
For Work In Restricted Working Space, Add	14.66	
For Installation Above 14', Add	7.33	
26 05 33 13-0410 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	341.89	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
26 05 33 13-0411 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	438.05	30.07
For Work In Restricted Working Space, Add	22.55	
For Installation Above 14', Add	11.28	
26 05 33 13-0412 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	639.73	36.08
For Work In Restricted Working Space, Add	27.06	
For Installation Above 14', Add	13.53	
26 05 33 13-0413 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	681.93	39.09
For Work In Restricted Working Space, Add	29.31	
For Installation Above 14', Add	14.66	
26 05 33 13-0414 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,044.89	48.11
For Work In Restricted Working Space, Add	36.08	
For Installation Above 14', Add	18.04	
26 05 33 13-0415 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,283.76	53.37
For Work In Restricted Working Space, Add	40.05	
For Installation Above 14', Add	20.03	
26 05 33 13-0416 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement ^{(26 05}		
^{33 13-0042)}		
Note: Type AX-8		
26 05 33 13-0417 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	85.87	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
26 05 33 13-0418 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	95.47	13.54
For Work In Restricted Working Space, Add	10.15	
For Installation Above 14', Add	5.07	
26 05 33 13-0419 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	115.82	15.04
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
26 05 33 13-0420 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	145.79	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
26 05 33 13-0421 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	196.06	18.04
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
26 05 33 13-0422 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	239.76	19.54
For Work In Restricted Working Space, Add	14.66	
For Installation Above 14', Add	7.33	
26 05 33 13-0423 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	449.58	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
26 05 33 13-0424 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	511.59	30.07
For Work In Restricted Working Space, Add	22.55	
For Installation Above 14', Add	11.28	
26 05 33 13-0425 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	785.05	36.08
For Work In Restricted Working Space, Add	27.06	
For Installation Above 14', Add	13.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0426 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	849.89 29.31 14.66	39.09
26 05 33 13-0427 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,186.47 36.08 18.04	48.11
26 05 33 13-0428 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,465.91 40.05 20.03	53.37
 26 05 33 13-0429 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small>		
Note: Type EX		
26 05 33 13-0430 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.56 9.02 4.51	12.03
26 05 33 13-0431 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.05 10.15 5.07	13.54
26 05 33 13-0432 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	153.07 11.28 5.64	15.04
26 05 33 13-0433 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	186.12 12.41 6.20	16.53
26 05 33 13-0434 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	250.67 13.53 6.77	18.04
26 05 33 13-0435 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	345.30 14.66 7.33	19.54
26 05 33 13-0436 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	536.46 18.04 9.02	24.05
26 05 33 13-0437 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	723.13 22.55 11.28	30.07
26 05 33 13-0438 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,085.94 27.06 13.53	36.08
26 05 33 13-0439 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,123.96 29.31 14.66	39.09
26 05 33 13-0440 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,691.67 36.08 18.04	48.11
26 05 33 13-0441 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,097.25 40.05 20.03	53.37
 26 05 33 13-0442 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>		
Note: Type DX		
26 05 33 13-0443 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	169.68 9.02 4.51	12.03
26 05 33 13-0444 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	202.13 10.15 5.07	13.54
26 05 33 13-0445 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.34 11.28 5.64	15.04
26 05 33 13-0446 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	287.25 12.41 6.20	16.53
26 05 33 13-0447 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	317.64 13.53 6.77	18.04
26 05 33 13-0448 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	392.59 14.66 7.33	19.54
26 05 33 13-0449 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	518.90 18.04 9.02	24.05
26 05 33 13-0450 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	658.07 22.55 11.28	30.07
26 05 33 13-0451 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	740.44 27.06 13.53	36.08

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0452 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	897.89	39.09
For Work In Restricted Working Space, Add	29.31	
For Installation Above 14', Add	14.66	
26 05 33 13-0453 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,535.77	48.11
For Work In Restricted Working Space, Add	36.08	
For Installation Above 14', Add	18.04	
26 05 33 13-0454 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,442.00	53.37
For Work In Restricted Working Space, Add	40.05	
For Installation Above 14', Add	20.03	
26 05 33 13-0455 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0042)		
26 05 33 13-0456 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	43.82	6.02
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
26 05 33 13-0457 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	50.49	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0458 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	62.24	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
26 05 33 13-0459 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	87.42	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
26 05 33 13-0460 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	132.45	18.04
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
26 05 33 13-0461 EA 5" To 6" Conduit, 14" Bonding Jumper	226.08	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
26 05 33 13-0462 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	48.75	6.02
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
26 05 33 13-0463 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	56.72	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0464 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	67.94	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
26 05 33 13-0465 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	94.99	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
26 05 33 13-0466 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	142.49	18.04
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
26 05 33 13-0467 EA 5" To 6" Conduit, 24" Bonding Jumper	258.48	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0042)		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	61.18	18.79
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	72.81	22.55
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	88.22	26.31
For Work In Restricted Working Space, Add	15.79	
For Installation Above 14', Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	103.37	30.07
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	132.75	33.83
For Work In Restricted Working Space, Add	20.30	
For Installation Above 14', Add	10.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.30	
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	159.50	37.59
For Work In Restricted Working Space, Add	22.55	
For Installation Above 14', Add	11.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.55	
26 05 33 13-0475 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	221.22	45.11
For Work In Restricted Working Space, Add	27.06	
For Installation Above 14', Add	13.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.06	
26 05 33 13-0476 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	265.28	52.62
For Work In Restricted Working Space, Add	31.57	
For Installation Above 14', Add	15.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0477 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	581.84	60.14
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33 13-0478 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	669.51	67.66
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0479 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0042)		
26 05 33 13-0480 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	10.00	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0481 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	14.01	6.39
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0482 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling	18.41	8.27
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0483 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	21.16	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0484 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	25.52	11.28
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0485 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling	29.98	12.78
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.83	
26 05 33 13-0486 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	38.49	14.29
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Installation Above 14', Add</i>	4.28	
26 05 33 13-0487 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling	45.23	16.16
<i>For Work In Restricted Working Space, Add</i>	9.70	
<i>For Installation Above 14', Add</i>	4.85	
26 05 33 13-0488 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	52.77	17.67
<i>For Work In Restricted Working Space, Add</i>	10.60	
<i>For Installation Above 14', Add</i>	5.30	
26 05 33 13-0489 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling	55.76	18.79
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0490 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0042)		
26 05 33 13-0491 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.37	0.75
26 05 33 13-0492 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.26	1.12
26 05 33 13-0493 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.41	1.87
26 05 33 13-0494 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	7.84	2.63
26 05 33 13-0495 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	9.43	3.01
26 05 33 13-0496 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut	11.11	3.38
26 05 33 13-0497 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0042)		
26 05 33 13-0498 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	119.02	10.00
<i>For Work In Restricted Working Space, Add</i>	7.52	
<i>For Installation Above 14', Add</i>	3.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52	
26 05 33 13-0499 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	118.96	10.00
<i>For Work In Restricted Working Space, Add</i>	7.50	
<i>For Installation Above 14', Add</i>	3.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.50	
26 05 33 13-0500 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	142.39	10.98
<i>For Work In Restricted Working Space, Add</i>	8.22	
<i>For Installation Above 14', Add</i>	4.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.22	
26 05 33 13-0501 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	156.32	12.03
<i>For Work In Restricted Working Space, Add</i>	9.03	
<i>For Installation Above 14', Add</i>	4.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33 13-0502 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	174.53	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33 13-0503 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	262.00	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0504 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	302.58	20.07
<i>For Work In Restricted Working Space, Add</i>	15.04	
<i>For Installation Above 14', Add</i>	7.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0505	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	330.63	20.07
			<i>For Work In Restricted Working Space, Add</i>	15.04	
			<i>For Installation Above 14', Add</i>	7.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.04	
26 05 33	13-0506	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	389.72	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.05	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33	13-0507	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	431.79	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33	13-0508	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	587.06	30.07
			<i>For Work In Restricted Working Space, Add</i>	22.55	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33	13-0509	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	720.30	30.07
			<i>For Work In Restricted Working Space, Add</i>	22.55	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33	13-0510		Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0042)</small>		
26 05 33	13-0511	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	32.99	16.16
			<i>For Work In Restricted Working Space, Add</i>	9.70	
			<i>For Installation Above 14', Add</i>	4.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.70	
26 05 33	13-0512	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	35.06	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
			<i>For Installation Above 14', Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33	13-0513	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	37.31	18.04
			<i>For Work In Restricted Working Space, Add</i>	10.82	
			<i>For Installation Above 14', Add</i>	5.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33	13-0514	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	40.79	18.79
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0515	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	41.54	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
			<i>For Installation Above 14', Add</i>	5.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50	
26 05 33	13-0516	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	43.04	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0517	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	42.97	19.54
			<i>For Work In Restricted Working Space, Add</i>	11.73	
			<i>For Installation Above 14', Add</i>	5.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.73	
26 05 33	13-0518	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	43.72	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0519	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	45.23	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0520	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	51.24	23.68
			<i>For Work In Restricted Working Space, Add</i>	14.21	
			<i>For Installation Above 14', Add</i>	7.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	
26 05 33	13-0521	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	48.35	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0522	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	49.86	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0523	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	52.11	21.80
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33	13-0524	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	54.37	22.93
			<i>For Work In Restricted Working Space, Add</i>	13.76	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.76	
26 05 33	13-0525	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	56.62	24.05
			<i>For Work In Restricted Working Space, Add</i>	14.43	
			<i>For Installation Above 14', Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	67.48	27.44
<i>For Work In Restricted Working Space, Add</i>	16.46	
<i>For Installation Above 14', Add</i>	8.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts.....	1.56	0.75
<i>For Work In Restricted Working Space, Add</i>	0.45	
<i>For Installation Above 14', Add</i>	0.23	
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts.....	2.35	1.12
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation Above 14', Add</i>	0.34	
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Locknuts.....	3.91	1.87
<i>For Work In Restricted Working Space, Add</i>	1.13	
<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	5.50	2.63
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	6.33	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Locknuts.....	10.55	3.38
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	10.03	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	12.39	5.63
<i>For Work In Restricted Working Space, Add</i>	3.38	
<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	14.63	6.39
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Locknuts.....	16.42	7.14
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Installation Above 14', Add</i>	2.14	
26 05 33 13-0538 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0539 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.42	0.75
<i>For Work In Restricted Working Space, Add</i>	0.45	
<i>For Installation Above 14', Add</i>	0.23	
26 05 33 13-0540 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.37	1.12
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation Above 14', Add</i>	0.34	
26 05 33 13-0541 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	5.34	1.87
<i>For Work In Restricted Working Space, Add</i>	1.13	
<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0542 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	7.46	2.63
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	8.43	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	9.92	3.38
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	14.87	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	18.71	5.63
<i>For Work In Restricted Working Space, Add</i>	3.38	
<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	24.84	6.39
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	29.84	7.14
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Installation Above 14', Add</i>	2.14	
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing.....	6.82	2.26
<i>For Work In Restricted Working Space, Add</i>	1.35	
<i>For Installation Above 14', Add</i>	0.68	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing.....	8.52	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Insulated Gound Bushing.....	10.89	3.76
<i>For Work In Restricted Working Space, Add</i>	2.26	
<i>For Installation Above 14', Add</i>	1.13	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.80 3.61 1.80	6.02
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.80 4.06 2.03	6.77
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.26 4.51 2.26	7.52
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.14 5.41 2.71	9.02
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.11 6.77 3.38	11.28
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.02 9.02 4.51	15.04
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.09 11.28 5.64	18.79
26 05 33 13-0560 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0561 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.16 4.06 2.03	6.77
26 05 33 13-0562 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.65 4.51 2.26	7.52
26 05 33 13-0563 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.86 5.64 2.82	9.39
26 05 33 13-0564 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.21 6.77 3.38	11.28
26 05 33 13-0565 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.68 9.02 4.51	15.04
26 05 33 13-0566 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.95 11.28 5.64	18.79
26 05 33 13-0567 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.07 13.53 6.77	22.55
26 05 33 13-0568 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.87 15.79 7.89	26.31
26 05 33 13-0569 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.25 19.17 9.59	31.95
26 05 33 13-0570 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	174.76 22.55 11.28	37.59
26 05 33 13-0571 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0042)</small>		
26 05 33 13-0572 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.40 5.64 2.82	9.39
26 05 33 13-0573 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.74 6.77 3.38	11.28
26 05 33 13-0574 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.37 9.02 4.51	15.04
26 05 33 13-0575 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.40 11.28 5.64	18.79
26 05 33 13-0576 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.19 13.53 6.77	22.55
26 05 33 13-0577 EA 2" Rigid Galvanized Steel (RGS) Compression Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.40 15.79 7.89	26.31
26 05 33 13-0578 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	124.98 18.04 9.02	30.07
26 05 33 13-0579 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.77 15.56 7.78	25.94
26 05 33 13-0580 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	192.02 23.68 11.84	39.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0581 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	234.91 27.06 13.53	45.11
26 05 33 13-0582 Rigid Galvanized Steel (RGS) Knock Out Seal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0583 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.96 1.13 0.56	1.87
26 05 33 13-0584 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.77 1.35 0.68	2.26
26 05 33 13-0585 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.67 1.58 0.79	2.63
26 05 33 13-0586 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.30 2.03 1.02	3.38
26 05 33 13-0587 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.26 2.26 1.13	3.76
26 05 33 13-0588 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.07 2.71 1.35	4.51
26 05 33 13-0589 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.73 3.38 1.69	5.63
26 05 33 13-0590 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.89 3.83 1.92	6.39
26 05 33 13-0591 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.90 4.29 2.14	7.14
26 05 33 13-0592 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.56 4.74 2.37	7.89
26 05 33 13-0593 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0594 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32 2.71 1.35 2.71	4.51
26 05 33 13-0595 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03 3.16 1.58 3.16	5.26
26 05 33 13-0596 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87 3.83 1.92 3.83	6.39
26 05 33 13-0597 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94 4.51 2.26 4.51	7.52
26 05 33 13-0598 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.23 5.64 2.82 5.64	9.39
26 05 33 13-0599 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.51 6.77 3.38 6.77	11.28
26 05 33 13-0600 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.84 7.89 3.95 7.89	13.15
26 05 33 13-0601 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.80 9.02 4.51 9.02	15.04
26 05 33 13-0602 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.49 10.15 5.07 10.15	16.91
26 05 33 13-0603 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.22 11.28 5.64 11.28	18.79
26 05 33 13-0604 Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0042)</small>		
26 05 33 13-0605 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.73 4.06 2.03	6.77

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0606	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.75 4.74 2.37	7.89
26 05 33	13-0607	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.94 5.41 2.71	9.02
26 05 33	13-0608	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.88 6.77 3.38	11.28
26 05 33	13-0609	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.22 8.12 4.06	13.54
26 05 33	13-0610	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.06 9.47 4.74	15.79
26 05 33	13-0611	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	91.37 10.82 5.41	18.04
26 05 33	13-0612	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	162.24 13.53 6.77	22.55
26 05 33	13-0613		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0614		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0613)</small> Note: Includes field bending conduit up to and including 1".		
26 05 33	13-0615	LF	1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.73 -0.02 -0.20 -0.29 0.34 0.85 0.51 1.01 0.51	1.35
26 05 33	13-0616	LF	3/4" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.39 -0.03 -0.24 -0.35 0.38 0.94 0.56 1.13 0.56	1.50
26 05 33	13-0617	LF	1" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.25 -0.06 -0.29 -0.42 0.41 1.03 0.62 1.24 0.62	1.65
26 05 33	13-0618	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.24 -0.08 -0.35 -0.51 0.47 1.17 0.70 1.40 0.70	1.86
26 05 33	13-0619	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.20 -0.10 -0.41 -0.59 0.53 1.32 0.79 1.58 0.79	2.11
26 05 33	13-0620	LF	2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.41 -0.12 -0.48 -0.69 0.60 1.51 0.90 1.81 0.90	2.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0621 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	10.75	2.86
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.90	
For Installation In Metal Stud Wall, Add	0.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.79	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
For Work In Restricted Working Space, Add	2.14	
For Installation Above 14', Add	1.07	
26 05 33 13-0622 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	12.87	3.31
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.08	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0623 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	16.11	3.91
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.96	
For >1,000, Deduct	-1.37	
For Installation In Metal Stud Wall, Add	0.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.45	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.47	
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
26 05 33 13-0624 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	21.94	5.99
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.82	
For Installation In Metal Stud Wall, Add	1.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.75	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.25	
For Work In Restricted Working Space, Add	4.50	
For Installation Above 14', Add	2.25	
26 05 33 13-0625 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0613)</small>		
See CSI section 26 05 33 13-2302 for conduit field bending.		
26 05 33 13-0626 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0613)</small>		
26 05 33 13-0627 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	3.96	1.80
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
26 05 33 13-0628 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.86	1.80
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
26 05 33 13-0629 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.86	2.11
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0630 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.84	2.71
For Work In Restricted Working Space, Add	2.03	
For Installation Above 14', Add	1.02	
26 05 33 13-0631 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.81	3.31
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0632 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	13.30	4.51
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
26 05 33 13-0633 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.45	6.02
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
26 05 33 13-0634 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	24.16	6.92
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0635 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	29.07	7.52
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
26 05 33 13-0636 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	78.00	21.73
For Work In Restricted Working Space, Add	21.10	
For Installation Above 14', Add	10.55	
26 05 33 13-0637 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0613)</small>		
26 05 33 13-0638 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	5.27	1.97
For Work In Restricted Working Space, Add	1.48	
For Installation Above 14', Add	0.74	
26 05 33 13-0639 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	5.76	2.11
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0640 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	8.36	3.01
For Work In Restricted Working Space, Add	2.26	
For Installation Above 14', Add	1.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0641 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.51 2.71 1.35	3.61
26 05 33 13-0642 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.66 3.16 1.58	4.21
26 05 33 13-0643 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.83 3.83 1.92	5.11
26 05 33 13-0644 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.39 5.67 2.84	7.57
26 05 33 13-0645 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.49 6.31 3.16	8.42
26 05 33 13-0646 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.98 7.89 3.95	10.53
26 05 33 13-0647 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.70 10.15 5.07	13.54
26 05 33 13-0648 Electrical Metallic Tubing (EMT) Box Connectors With Set Screw <small>(26 05 33 13-0613)</small>		
26 05 33 13-0649 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99 1.13 0.56 1.13	1.50
26 05 33 13-0650 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91 1.35 0.68 1.35	1.80
26 05 33 13-0651 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.85 1.58 0.79 1.58	2.11
26 05 33 13-0652 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.49 2.26 1.13 2.26	3.01
26 05 33 13-0653 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.70 2.71 1.35 2.71	3.61
26 05 33 13-0654 EA 2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.46 3.38 1.69 3.38	4.51
26 05 33 13-0655 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32 4.51 2.26 4.51	6.02
26 05 33 13-0656 EA 3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.08 5.64 2.82 5.64	7.52
26 05 33 13-0657 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.01 6.77 3.38 6.77	9.02
26 05 33 13-0658 EA 4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.95 7.89 3.95 7.89	10.53
26 05 33 13-0659 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw <small>(26 05 33 13-0613)</small>		
26 05 33 13-0660 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79 1.51 0.75 1.51	2.03
26 05 33 13-0661 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.70 1.64 0.82 1.64	2.18
26 05 33 13-0662 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.73 2.01 1.00 2.01	2.71
26 05 33 13-0663 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14 2.57 1.29 2.57	3.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0664 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	15.25	3.98
For Work In Restricted Working Space, Add	3.00	
For Installation Above 14', Add	1.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.00	
26 05 33 13-0665 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	19.63	4.81
For Work In Restricted Working Space, Add	3.61	
For Installation Above 14', Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-0666 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	50.32	6.69
For Work In Restricted Working Space, Add	5.00	
For Installation Above 14', Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0667 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	62.01	8.87
For Work In Restricted Working Space, Add	6.68	
For Installation Above 14', Add	3.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 33 13-0668 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	82.68	11.43
For Work In Restricted Working Space, Add	8.59	
For Installation Above 14', Add	4.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.59	
26 05 33 13-0669 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	96.72	15.04
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 05 33 13-0670 Electrical Metallic Tubing (EMT) Box Compression Connectors <small>(26 05 33 13-0613)</small>		
26 05 33 13-0671 EA 1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	5.89	1.80
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	
26 05 33 13-0672 EA 3/4" Electrical Metallic Tubing (EMT) Box Compression Connector	7.15	2.11
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-0673 EA 1" Electrical Metallic Tubing (EMT) Box Compression Connector	9.33	2.41
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-0674 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	15.44	3.61
For Work In Restricted Working Space, Add	2.71	
For Installation Above 14', Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-0675 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	19.96	4.21
For Work In Restricted Working Space, Add	3.16	
For Installation Above 14', Add	1.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0676 EA 2" Electrical Metallic Tubing (EMT) Box Compression Connector	27.56	5.41
For Work In Restricted Working Space, Add	4.06	
For Installation Above 14', Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-0677 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	65.96	7.22
For Work In Restricted Working Space, Add	5.41	
For Installation Above 14', Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0678 EA 3" Electrical Metallic Tubing (EMT) Box Compression Connector	86.78	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-0679 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	119.09	10.53
For Work In Restricted Working Space, Add	7.89	
For Installation Above 14', Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0680 EA 4" Electrical Metallic Tubing (EMT) Box Compression Connector	125.91	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 33 13-0681 Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0613)</small>		
26 05 33 13-0682 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	6.56	2.03
For Work In Restricted Working Space, Add	1.51	
For Installation Above 14', Add	0.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.51	
26 05 33 13-0683 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.62	2.18
For Work In Restricted Working Space, Add	1.64	
For Installation Above 14', Add	0.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.64	
26 05 33 13-0684 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	10.36	2.71
For Work In Restricted Working Space, Add	2.01	
For Installation Above 14', Add	1.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0685	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	15.91	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33	13-0686	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	20.65	3.98
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Installation Above 14', Add</i>	1.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33	13-0687	EA	2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	27.53	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0688	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	76.83	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Installation Above 14', Add</i>	2.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33	13-0689	EA	3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	99.74	8.87
			<i>For Work In Restricted Working Space, Add</i>	6.68	
			<i>For Installation Above 14', Add</i>	3.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.68	
26 05 33	13-0690	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	135.69	11.43
			<i>For Work In Restricted Working Space, Add</i>	8.59	
			<i>For Installation Above 14', Add</i>	4.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	
26 05 33	13-0691	EA	4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	152.80	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0692		Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0613)</small>		
			Note: Excludes jumper.		
26 05 33	13-0693	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	55.60	10.00
			<i>For Work In Restricted Working Space, Add</i>	7.50	
			<i>For Installation Above 14', Add</i>	3.75	
26 05 33	13-0694	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	66.82	12.10
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Installation Above 14', Add</i>	4.55	
26 05 33	13-0695	EA	1" Electrical Metallic Tubing (EMT) Expansion Fitting.....	84.06	15.19
			<i>For Work In Restricted Working Space, Add</i>	11.37	
			<i>For Installation Above 14', Add</i>	5.69	
26 05 33	13-0696	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	103.51	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.99	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33	13-0697	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	131.96	21.88
			<i>For Work In Restricted Working Space, Add</i>	16.41	
			<i>For Installation Above 14', Add</i>	8.20	
26 05 33	13-0698	EA	2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	181.42	26.61
			<i>For Work In Restricted Working Space, Add</i>	19.98	
			<i>For Installation Above 14', Add</i>	9.99	
26 05 33	13-0699	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	266.90	34.20
			<i>For Work In Restricted Working Space, Add</i>	25.66	
			<i>For Installation Above 14', Add</i>	12.83	
26 05 33	13-0700	EA	3" Electrical Metallic Tubing (EMT) Expansion Fitting.....	322.16	39.99
			<i>For Work In Restricted Working Space, Add</i>	30.00	
			<i>For Installation Above 14', Add</i>	15.00	
26 05 33	13-0701	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	414.89	43.60
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Installation Above 14', Add</i>	16.35	
26 05 33	13-0702	EA	4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	506.66	48.11
			<i>For Work In Restricted Working Space, Add</i>	36.09	
			<i>For Installation Above 14', Add</i>	18.05	
26 05 33	13-0703		Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
			<small>(26 05 33 13-0613)</small>		
26 05 33	13-0704	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.50	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.00	
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33	13-0705	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	10.01	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.00	
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33	13-0706	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.71	2.93
			<i>For Work In Restricted Working Space, Add</i>	2.23	
			<i>For Installation Above 14', Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.23	
26 05 33	13-0707	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	19.71	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.53	
			<i>For Installation Above 14', Add</i>	1.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.53	
26 05 33	13-0708	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	23.89	4.06
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0709 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.18 3.50 1.75 3.50	4.66
26 05 33 13-0710 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.12 4.37 2.19 4.37	5.87
26 05 33 13-0711 Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Bodies With Cover And Set Screw <small>(26 05 33 13-0613)</small>		
26 05 33 13-0712 EA 1/2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05 4.29 2.14 4.29	5.71
26 05 33 13-0713 EA 3/4" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.05 5.64 2.82 5.64	7.52
26 05 33 13-0714 EA 1" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.48 6.99 3.50 6.99	9.32
26 05 33 13-0715 EA 1-1/4" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.05 8.57 4.28 8.57	11.43
26 05 33 13-0716 EA 1-1/2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.08 9.92 4.96 9.92	13.23
26 05 33 13-0717 EA 2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.08 11.28 5.64 11.28	15.04
26 05 33 13-0718 Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Bodies With Cover And Set Screw <small>(26 05 33 13-0613)</small>		
26 05 33 13-0719 EA 1/2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.27 5.64 2.82 5.64	7.52
26 05 33 13-0720 EA 3/4" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.03 6.99 3.50 6.99	9.32
26 05 33 13-0721 EA 1" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.21 8.57 4.28 8.57	11.43
26 05 33 13-0722 EA 1-1/4" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76 9.92 4.96 9.92	13.23
26 05 33 13-0723 EA 1-1/2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.32 11.28 5.64 11.28	15.04
26 05 33 13-0724 EA 2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.69 12.63 6.32 12.63	16.83
26 05 33 13-0725 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0726 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0725)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0727 LF 1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.83 -0.05 -0.08 -0.11 0.38 0.94 0.56 1.13 0.56	1.50

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0728 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	5.41	1.65
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.10	
For >1,000, Deduct	-0.13	
For Installation In Metal Stub Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
For Installation Above 14', Add	0.62	
26 05 33 13-0729 LF 1" Intermediate Metal Conduit (IMC) Conduit	6.48	1.80
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.15	
For >1,000, Deduct	-0.20	
For Installation In Metal Stub Wall, Add	0.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
26 05 33 13-0730 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.76	3.61
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.19	
For >1,000, Deduct	-0.25	
For Installation In Metal Stub Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0731 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	8.97	2.41
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.30	
For Installation In Metal Stub Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	
26 05 33 13-0732 LF 2" Intermediate Metal Conduit (IMC) Conduit	10.77	2.71
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.30	
For >1,000, Deduct	-0.40	
For Installation In Metal Stub Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
For Installation Above 14', Add	1.02	
26 05 33 13-0733 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	17.88	3.61
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.89	
For Installation In Metal Stub Wall, Add	0.90	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.26	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.35	
For Work In Restricted Working Space, Add	2.71	
For Installation Above 14', Add	1.35	
26 05 33 13-0734 LF 3" Intermediate Metal Conduit (IMC) Conduit	22.19	4.51
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.09	
For Installation In Metal Stub Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
26 05 33 13-0735 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	26.17	5.41
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-0.95	
For >1,000, Deduct	-1.26	
For Installation In Metal Stub Wall, Add	1.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
For Work In Restricted Working Space, Add	4.06	
For Installation Above 14', Add	2.03	
26 05 33 13-0736 LF 4" Intermediate Metal Conduit (IMC) Conduit	30.66	6.32
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.12	
For >1,000, Deduct	-1.49	
For Installation In Metal Stub Wall, Add	1.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.37	
For Work In Restricted Working Space, Add	4.74	
For Installation Above 14', Add	2.37	

26 05 33 13-0737 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0725)
See CSI section 26 05 33 13-2302 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0738 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	37.36	11.35
<i>For Work In Restricted Working Space, Add</i>	8.49	
<i>For Installation Above 14', Add</i>	4.24	
26 05 33 13-0739 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.59	13.15
<i>For Work In Restricted Working Space, Add</i>	9.86	
<i>For Installation Above 14', Add</i>	4.93	
26 05 33 13-0740 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.81	15.11
<i>For Work In Restricted Working Space, Add</i>	11.32	
<i>For Installation Above 14', Add</i>	5.66	
26 05 33 13-0741 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.65	16.61
<i>For Work In Restricted Working Space, Add</i>	12.45	
<i>For Installation Above 14', Add</i>	6.22	
26 05 33 13-0742 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.18	20.74
<i>For Work In Restricted Working Space, Add</i>	15.56	
<i>For Installation Above 14', Add</i>	7.78	
26 05 33 13-0743 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	130.85	28.26
<i>For Work In Restricted Working Space, Add</i>	21.20	
<i>For Installation Above 14', Add</i>	10.60	
26 05 33 13-0744 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	185.97	31.87
<i>For Work In Restricted Working Space, Add</i>	23.91	
<i>For Installation Above 14', Add</i>	11.96	
26 05 33 13-0745 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	226.99	41.50
<i>For Work In Restricted Working Space, Add</i>	31.12	
<i>For Installation Above 14', Add</i>	15.56	
26 05 33 13-0746 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0725)</small>		
26 05 33 13-0747 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.17	3.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0748 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.95	0.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0749 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.41	5.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0750 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.79	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-0751 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.92	7.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0752 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	26.82	9.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0753 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	48.55	15.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0754 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	60.87	20.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.34	
26 05 33 13-0755 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	78.51	24.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.27	
26 05 33 13-0756 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	92.45	28.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.20	
26 05 33 13-0757 Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0725)</small>		
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	44.14	14.44
<i>For Work In Restricted Working Space, Add</i>	10.82	
<i>For Installation Above 14', Add</i>	5.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	52.93	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	64.92	19.24
<i>For Work In Restricted Working Space, Add</i>	14.43	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	79.46	21.95
<i>For Work In Restricted Working Space, Add</i>	16.46	
<i>For Installation Above 14', Add</i>	8.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-0762 EA 1-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	86.92	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0763 EA 2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	116.77	28.86
<i>For Work In Restricted Working Space, Add</i>	21.65	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33 13-0764 EA 2-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	167.21	40.60
<i>For Work In Restricted Working Space, Add</i>	30.44	
<i>For Installation Above 14', Add</i>	15.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.44	
26 05 33 13-0765 EA 3" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover	220.76	54.12
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover.....	294.03	67.66
			<i>For Work In Restricted Working Space, Add</i>	50.74	
			<i>For Installation Above 14', Add</i>	25.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33	13-0767	EA	4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover.....	370.30	82.38
			<i>For Work In Restricted Working Space, Add</i>	61.79	
			<i>For Installation Above 14', Add</i>	30.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0768 Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0725)</small>					
26 05 33	13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	44.14	14.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33	13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	52.93	16.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0771	EA	1" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	64.92	19.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33	13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	79.46	21.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33	13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	86.92	24.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33	13-0774	EA	2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	116.77	28.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33	13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	167.21	40.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.44	
26 05 33	13-0776	EA	3" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	220.76	54.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33	13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	294.03	67.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33	13-0778	EA	4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover.....	370.30	82.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0779 Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Bodies With Cover <small>(26 05 33 13-0725)</small>					
26 05 33	13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	57.69	18.94
			<i>For Work In Restricted Working Space, Add</i>	14.21	
			<i>For Installation Above 14', Add</i>	7.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	
26 05 33	13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	65.04	21.04
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Installation Above 14', Add</i>	7.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33	13-0782	EA	1" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	75.76	23.15
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Installation Above 14', Add</i>	8.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33	13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	93.46	26.46
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Installation Above 14', Add</i>	9.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	108.59	28.86
			<i>For Work In Restricted Working Space, Add</i>	21.65	
			<i>For Installation Above 14', Add</i>	10.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33	13-0785	EA	2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	144.99	35.48
			<i>For Work In Restricted Working Space, Add</i>	26.61	
			<i>For Installation Above 14', Add</i>	13.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.61	
26 05 33	13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	227.53	52.01
			<i>For Work In Restricted Working Space, Add</i>	39.02	
			<i>For Installation Above 14', Add</i>	19.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.02	
26 05 33	13-0787	EA	3" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	297.37	67.66
			<i>For Work In Restricted Working Space, Add</i>	50.74	
			<i>For Installation Above 14', Add</i>	25.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33	13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	447.21	83.59
			<i>For Work In Restricted Working Space, Add</i>	62.69	
			<i>For Installation Above 14', Add</i>	31.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.69	
26 05 33	13-0789	EA	4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	517.63	100.43
			<i>For Work In Restricted Working Space, Add</i>	75.32	
			<i>For Installation Above 14', Add</i>	37.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.32	
26 05 33 13-0790 Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0725)</small>					
26 05 33	13-0791	EA	1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	44.14	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.82	
			<i>For Installation Above 14', Add</i>	5.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0792 EA 3/4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	52.93	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0793 EA 1" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	64.18	18.94
<i>For Work In Restricted Working Space, Add</i>	14.21	
<i>For Installation Above 14', Add</i>	7.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	
26 05 33 13-0794 EA 1-1/4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	79.45	21.95
<i>For Work In Restricted Working Space, Add</i>	16.46	
<i>For Installation Above 14', Add</i>	8.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-0795 EA 1-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	86.93	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0796 EA 2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	116.78	28.86
<i>For Work In Restricted Working Space, Add</i>	21.65	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33 13-0797 EA 2-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	256.01	76.15
<i>For Work In Restricted Working Space, Add</i>	57.08	
<i>For Installation Above 14', Add</i>	28.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.08	
26 05 33 13-0798 EA 3" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	220.76	54.12
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0799 EA 3-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	293.97	67.66
<i>For Work In Restricted Working Space, Add</i>	50.74	
<i>For Installation Above 14', Add</i>	25.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33 13-0800 EA 4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	370.29	82.38
<i>For Work In Restricted Working Space, Add</i>	61.79	
<i>For Installation Above 14', Add</i>	30.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0801 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0725)</small>		
<small>Note: 3-Piece coupling.</small>		
26 05 33 13-0802 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	33.16	12.03
<i>For Work In Restricted Working Space, Add</i>	9.03	
<i>For Installation Above 14', Add</i>	4.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33 13-0803 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	37.53	13.45
<i>For Work In Restricted Working Space, Add</i>	10.08	
<i>For Installation Above 14', Add</i>	5.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33 13-0804 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	45.01	14.96
<i>For Work In Restricted Working Space, Add</i>	11.23	
<i>For Installation Above 14', Add</i>	5.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.23	
26 05 33 13-0805 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	54.90	16.38
<i>For Work In Restricted Working Space, Add</i>	12.29	
<i>For Installation Above 14', Add</i>	6.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33 13-0806 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	62.30	17.89
<i>For Work In Restricted Working Space, Add</i>	13.44	
<i>For Installation Above 14', Add</i>	6.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	
26 05 33 13-0807 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	83.51	19.39
<i>For Work In Restricted Working Space, Add</i>	14.56	
<i>For Installation Above 14', Add</i>	7.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-0808 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	134.97	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0809 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	189.28	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0810 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	273.55	36.08
<i>For Work In Restricted Working Space, Add</i>	27.07	
<i>For Installation Above 14', Add</i>	13.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.07	
26 05 33 13-0811 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	314.70	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	

26 05 33 13-0812 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0725)

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0813	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	48.24	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
26 05 33	13-0814	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	55.82	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
26 05 33	13-0815	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	65.57	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
26 05 33	13-0816	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	82.02	8.12
			<i>For Work In Restricted Working Space, Add</i>	6.09	
			<i>For Installation Above 14', Add</i>	3.04	
26 05 33	13-0817	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	108.60	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
26 05 33	13-0818	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	152.00	9.93
			<i>For Work In Restricted Working Space, Add</i>	7.44	
			<i>For Installation Above 14', Add</i>	3.72	
26 05 33	13-0819	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	233.97	12.03
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Installation Above 14', Add</i>	4.51	
26 05 33	13-0820	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	286.39	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
26 05 33	13-0821	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	344.41	18.04
			<i>For Work In Restricted Working Space, Add</i>	13.53	
			<i>For Installation Above 14', Add</i>	6.77	
26 05 33	13-0822	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	404.29	19.54
			<i>For Work In Restricted Working Space, Add</i>	14.66	
			<i>For Installation Above 14', Add</i>	7.33	
26 05 33	13-0823		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0725)</small>		
26 05 33	13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	16.42	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33	13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	20.87	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0826	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.63	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	30.65	10.53
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33	13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	35.66	12.03
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Installation Above 14', Add</i>	4.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33	13-0829	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	41.90	13.54
			<i>For Work In Restricted Working Space, Add</i>	10.15	
			<i>For Installation Above 14', Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33	13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	51.13	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0831	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	59.59	16.53
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	72.51	19.54
			<i>For Work In Restricted Working Space, Add</i>	14.66	
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33	13-0833	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	82.46	21.04
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Installation Above 14', Add</i>	7.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0834 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0725)</small>		
26 05 33 13-0835 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	89.94	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0836 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	99.68	13.54
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0837 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	110.77	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0838 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	132.64	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
26 05 33 13-0839 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	160.89	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0840 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	208.54	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0841 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	310.95	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
26 05 33 13-0842 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	374.66	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
26 05 33 13-0843 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	518.06	36.08
<i>For Work In Restricted Working Space, Add</i>	27.06	
<i>For Installation Above 14', Add</i>	13.53	
26 05 33 13-0844 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	597.24	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
26 05 33 13-0845 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0725)</small>		
26 05 33 13-0846 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	60.62	18.79
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0847 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	72.16	22.55
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.53	
26 05 33 13-0848 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	87.39	26.31
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Installation Above 14', Add</i>	7.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0849 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	102.36	30.07
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0850 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	131.23	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
<i>For Installation Above 14', Add</i>	10.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.30	
26 05 33 13-0851 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	157.53	37.59
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0852 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	218.16	45.11
<i>For Work In Restricted Working Space, Add</i>	27.06	
<i>For Installation Above 14', Add</i>	13.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.06	
26 05 33 13-0853 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	261.54	52.62
<i>For Work In Restricted Working Space, Add</i>	31.57	
<i>For Installation Above 14', Add</i>	15.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57	
26 05 33 13-0854 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	571.06	60.14
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33 13-0855 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	657.03	67.66
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0856 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0725)</small>		
26 05 33 13-0857 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	9.80	3.61
<i>For Work In Restricted Working Space, Add</i>	2.70	
<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0858 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	13.73	5.11
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0859 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling	17.94	6.62
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
26 05 33 13-0860 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	20.58	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0861 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	24.78	9.02
For Work In Restricted Working Space, Add	6.76	
For Installation Above 14', Add	3.38	
26 05 33 13-0862 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	28.53	10.23
For Work In Restricted Working Space, Add	7.67	
For Installation Above 14', Add	3.84	
26 05 33 13-0863 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	35.10	11.43
For Work In Restricted Working Space, Add	8.57	
For Installation Above 14', Add	4.28	
26 05 33 13-0864 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	41.26	12.93
For Work In Restricted Working Space, Add	9.70	
For Installation Above 14', Add	4.85	
26 05 33 13-0865 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	47.29	14.14
For Work In Restricted Working Space, Add	10.60	
For Installation Above 14', Add	5.30	
26 05 33 13-0866 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	49.63	15.04
For Work In Restricted Working Space, Add	11.27	
For Installation Above 14', Add	5.64	
26 05 33 13-0867 Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0725)		
26 05 33 13-0868 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	4.64	1.50
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
26 05 33 13-0869 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.14	1.50
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
26 05 33 13-0870 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0041)		
Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0871 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0870)		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0872 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	9.54	2.11
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.82	
For Installation Above 14', Add	0.79	
For Work In Restricted Working Space, Add	1.58	
26 05 33 13-0873 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	10.98	2.41
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.95	
For Installation Above 14', Add	0.90	
For Work In Restricted Working Space, Add	1.81	
26 05 33 13-0874 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	13.94	3.01
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.86	
For >1,000, Deduct	-1.21	
For Installation Above 14', Add	1.13	
For Work In Restricted Working Space, Add	2.26	
26 05 33 13-0875 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	17.16	3.61
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.06	
For >1,000, Deduct	-1.49	
For Installation Above 14', Add	1.35	
For Work In Restricted Working Space, Add	2.71	
26 05 33 13-0876 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	21.18	4.51
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.84	
For Installation Above 14', Add	1.69	
For Work In Restricted Working Space, Add	3.38	
26 05 33 13-0877 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	26.44	5.41
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.31	
For Installation Above 14', Add	2.03	
For Work In Restricted Working Space, Add	4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0878 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	35.35	6.32
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-2.26	
For >1,000, Deduct	-3.14	
For Installation Above 14', Add	2.37	
For Work In Restricted Working Space, Add	4.74	
26 05 33 13-0879 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.20	7.82
For >250 To 500, Deduct	-1.72	
For >500 To 1,000, Deduct	-2.83	
For >1,000, Deduct	-3.93	
For Installation Above 14', Add	2.93	
For Work In Restricted Working Space, Add	5.86	
26 05 33 13-0880 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	54.22	9.62
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.47	
For >1,000, Deduct	-4.82	
For Installation Above 14', Add	3.61	
For Work In Restricted Working Space, Add	7.22	
26 05 33 13-0881 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	64.12	11.43
For >250 To 500, Deduct	-2.49	
For >500 To 1,000, Deduct	-4.10	
For >1,000, Deduct	-5.70	
For Installation Above 14', Add	4.28	
For Work In Restricted Working Space, Add	8.57	
26 05 33 13-0882 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	96.85	13.54
For >250 To 500, Deduct	-4.00	
For >500 To 1,000, Deduct	-6.42	
For >1,000, Deduct	-8.84	
For Installation Above 14', Add	5.07	
For Work In Restricted Working Space, Add	10.15	
26 05 33 13-0883 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	131.48	18.04
For >250 To 500, Deduct	-5.45	
For >500 To 1,000, Deduct	-8.73	
For >1,000, Deduct	-12.02	
For Installation Above 14', Add	6.77	
For Work In Restricted Working Space, Add	13.53	
26 05 33 13-0884 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings (26 05 33 13-0870)		
26 05 33 13-0885 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	10.39	2.93
For Installation Above 14', Add	0.88	
For Work In Restricted Working Space, Add	1.76	
26 05 33 13-0886 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	12.56	3.91
For Installation Above 14', Add	1.17	
For Work In Restricted Working Space, Add	2.35	
26 05 33 13-0887 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	15.93	4.88
For Installation Above 14', Add	1.47	
For Work In Restricted Working Space, Add	2.93	
26 05 33 13-0888 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	17.92	5.37
For Installation Above 14', Add	1.61	
For Work In Restricted Working Space, Add	3.23	
26 05 33 13-0889 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	21.23	6.36
For Installation Above 14', Add	1.91	
For Work In Restricted Working Space, Add	3.81	
26 05 33 13-0890 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	27.14	7.33
For Installation Above 14', Add	2.20	
For Work In Restricted Working Space, Add	4.40	
26 05 33 13-0891 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	48.47	8.79
For Installation Above 14', Add	2.64	
For Work In Restricted Working Space, Add	5.28	
26 05 33 13-0892 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	61.93	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
26 05 33 13-0893 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	76.45	14.17
For Installation Above 14', Add	4.25	
For Work In Restricted Working Space, Add	8.50	
26 05 33 13-0894 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	95.34	19.54
For Installation Above 14', Add	5.86	
For Work In Restricted Working Space, Add	11.73	
26 05 33 13-0895 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	237.06	26.87
For Installation Above 14', Add	8.06	
For Work In Restricted Working Space, Add	16.13	
26 05 33 13-0896 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	235.07	15.15
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.09	
26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0870)		
Note: 90, 45, or 30 degree.		
26 05 33 13-0898 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	40.27	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0899	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	46.75	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-0900	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	56.00	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0901	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	66.18	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0902	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	77.35	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0903	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	93.50	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0904	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	142.32	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0905	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	211.54	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0906	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	260.63	51.79
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0907	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	300.86	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0908	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	619.92	109.93
			<i>For Installation Above 14', Add</i>	32.98	
			<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0909	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	973.33	165.15
			<i>For Installation Above 14', Add</i>	49.55	
			<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0910			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel		
			(RGS) 12" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0911	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	93.34	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0912	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	105.16	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0913	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	120.03	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0914	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	142.75	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0915	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	198.06	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0916			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel		
			(RGS) 15" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0917	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	103.44	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0918	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	121.85	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0919	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	132.00	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0920	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	168.84	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0921	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	223.21	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0922	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	286.14	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0923			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel		
			(RGS) 18" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0924	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	115.51	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0925	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	130.54	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0926 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	147.35	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0927 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	177.49	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0928 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	252.12	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0929 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	320.08	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0930 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	402.75	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0931 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	455.70	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0932 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0933 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	136.37	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0934 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	150.94	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0935 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	170.51	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0936 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	210.84	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0937 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	303.85	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0938 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	377.58	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0939 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	437.86	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0940 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	520.15	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0941 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0942 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	152.59	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0943 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	169.92	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0944 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	193.30	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0945 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	239.87	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0946 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	332.08	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0947 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	423.57	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0948 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	523.22	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0949 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	579.32	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0950 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	965.31	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-0952 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	173.82	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	192.87	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0954 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	218.29	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0955 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	272.07	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0956 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	379.12	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0957 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	482.16	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0958 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	565.99	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0959 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	655.69	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0960 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,018.84	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0961 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,396.29	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows (26 05 33 13-0870)		
26 05 33 13-0963 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	203.36	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0964 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	213.32	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0965 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	251.73	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0966 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	316.89	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0967 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	442.55	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0968 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	561.16	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0969 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	684.90	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0970 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	804.28	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0971 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,193.44	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0972 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,476.44	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0973 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows (26 05 33 13-0870)		
26 05 33 13-0974 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	210.48	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0975 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	247.91	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0976 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	280.66	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0977 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	330.38	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0978 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	458.39	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0979 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	585.45	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	749.66	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0981 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	837.98	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0982 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,240.34	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0983 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,517.16	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0984 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-0985 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	77.70	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-0986 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	95.07	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0987 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	126.85	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-0988 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	208.65	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-0989 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	230.37	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-0990 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	291.21	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-0991 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	794.81	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-0992 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	948.46	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-0993 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,259.97	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-0994 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-0995 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	74.46	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-0996 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	91.41	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0997 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	126.85	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-0998 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	206.77	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-0999 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	222.77	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1000 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	291.30	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1001	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	762.41	33.72
		<i>For Installation Above 14', Add</i>	10.11	
		<i>For Work In Restricted Working Space, Add</i>	20.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1002	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	924.82	45.93
		<i>For Installation Above 14', Add</i>	13.78	
		<i>For Work In Restricted Working Space, Add</i>	27.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1003	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,259.92	67.42
		<i>For Installation Above 14', Add</i>	20.23	
		<i>For Work In Restricted Working Space, Add</i>	40.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1004		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1005	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	67.29	12.21
		<i>For Installation Above 14', Add</i>	3.66	
		<i>For Work In Restricted Working Space, Add</i>	7.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1006	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	80.53	16.12
		<i>For Installation Above 14', Add</i>	4.84	
		<i>For Work In Restricted Working Space, Add</i>	9.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1007	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	95.04	18.57
		<i>For Installation Above 14', Add</i>	5.57	
		<i>For Work In Restricted Working Space, Add</i>	11.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1008	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	135.18	21.50
		<i>For Installation Above 14', Add</i>	6.45	
		<i>For Work In Restricted Working Space, Add</i>	12.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1009	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	157.94	24.43
		<i>For Installation Above 14', Add</i>	7.33	
		<i>For Work In Restricted Working Space, Add</i>	14.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1010	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	244.45	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1011	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	672.19	33.72
		<i>For Installation Above 14', Add</i>	10.11	
		<i>For Work In Restricted Working Space, Add</i>	20.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1012	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	756.29	45.93
		<i>For Installation Above 14', Add</i>	13.78	
		<i>For Work In Restricted Working Space, Add</i>	27.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1013	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	965.46	67.42
		<i>For Installation Above 14', Add</i>	20.23	
		<i>For Work In Restricted Working Space, Add</i>	40.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1014		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1015	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	115.26	12.21
		<i>For Installation Above 14', Add</i>	3.66	
		<i>For Work In Restricted Working Space, Add</i>	7.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1016	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	173.81	16.12
		<i>For Installation Above 14', Add</i>	4.84	
		<i>For Work In Restricted Working Space, Add</i>	9.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1017	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	218.58	18.57
		<i>For Installation Above 14', Add</i>	5.57	
		<i>For Work In Restricted Working Space, Add</i>	11.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1018	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	252.30	21.50
		<i>For Installation Above 14', Add</i>	6.45	
		<i>For Work In Restricted Working Space, Add</i>	12.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1019	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	286.55	24.43
		<i>For Installation Above 14', Add</i>	7.33	
		<i>For Work In Restricted Working Space, Add</i>	14.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	377.30	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1021 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,189.20	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1022 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,388.30	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1023 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,706.52	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1024 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1025 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	127.99	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1026 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	185.83	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1027 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	220.87	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1028 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	256.07	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1029 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	296.88	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1030 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	468.15	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1031 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,326.27	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1032 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,866.87	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1033 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,948.78	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1034 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1035 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	101.23	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1036 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	127.71	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1037	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	153.03	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1038	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	169.54	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1039	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	228.46	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1040	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	323.15	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1041	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,075.66	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1042	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,210.77	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1043	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,438.47	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1044			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Bodies <small>(26 05 33 13-0870)</small>		
			Note: Includes covers.		
26 05 33 13-1045	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	91.27	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1046	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	102.94	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1047	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	127.39	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1048	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	166.88	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1049	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	194.86	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1050	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	265.83	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1051	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	447.61	65.96
			<i>For Installation Above 14', Add</i>	19.79	
			<i>For Work In Restricted Working Space, Add</i>	39.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.58	
26 05 33 13-1052	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	573.02	87.95
			<i>For Installation Above 14', Add</i>	26.39	
			<i>For Work In Restricted Working Space, Add</i>	52.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.77	
26 05 33 13-1053	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	796.84	109.93
			<i>For Installation Above 14', Add</i>	32.98	
			<i>For Work In Restricted Working Space, Add</i>	65.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	914.49	133.88
<i>For Installation Above 14', Add</i>	40.16	
<i>For Work In Restricted Working Space, Add</i>	80.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.33	
26 05 33 13-1055 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Bodies <small>(26 05 33 13-0870)</small>		
<i>Note: Includes covers.</i>		
26 05 33 13-1056 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	119.24	30.78
<i>For Installation Above 14', Add</i>	9.23	
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1057 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	135.95	34.20
<i>For Installation Above 14', Add</i>	10.26	
<i>For Work In Restricted Working Space, Add</i>	20.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.52	
26 05 33 13-1058 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	166.22	37.63
<i>For Installation Above 14', Add</i>	11.29	
<i>For Work In Restricted Working Space, Add</i>	22.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.57	
26 05 33 13-1059 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	223.84	43.00
<i>For Installation Above 14', Add</i>	12.90	
<i>For Work In Restricted Working Space, Add</i>	25.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.80	
26 05 33 13-1060 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	264.68	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1061 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	360.75	57.66
<i>For Installation Above 14', Add</i>	17.30	
<i>For Work In Restricted Working Space, Add</i>	34.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.60	
26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Bodies <small>(26 05 33 13-0870)</small>		
<i>Note: Includes covers.</i>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	104.96	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	119.73	31.27
<i>For Installation Above 14', Add</i>	9.38	
<i>For Work In Restricted Working Space, Add</i>	18.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.76	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	145.03	34.20
<i>For Installation Above 14', Add</i>	10.26	
<i>For Work In Restricted Working Space, Add</i>	20.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.52	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	186.04	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	220.70	43.00
<i>For Installation Above 14', Add</i>	12.90	
<i>For Work In Restricted Working Space, Add</i>	25.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.80	
26 05 33 13-1068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	296.25	50.33
<i>For Installation Above 14', Add</i>	15.10	
<i>For Work In Restricted Working Space, Add</i>	30.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.20	
26 05 33 13-1069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	477.00	73.29
<i>For Installation Above 14', Add</i>	21.99	
<i>For Work In Restricted Working Space, Add</i>	43.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.98	
26 05 33 13-1070 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	631.46	95.28
<i>For Installation Above 14', Add</i>	28.58	
<i>For Work In Restricted Working Space, Add</i>	57.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1071	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body	868.26	117.26
			<i>For Installation Above 14', Add</i>	35.18	
			<i>For Work In Restricted Working Space, Add</i>	70.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.36	
26 05 33 13-1072	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body	969.94	141.21
			<i>For Installation Above 14', Add</i>	42.36	
			<i>For Work In Restricted Working Space, Add</i>	84.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.73	
26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Covers <small>(26 05 33 13-0870)</small>					
26 05 33 13-1074	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	17.48	2.93
			<i>For Installation Above 14', Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-1075	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	19.66	3.42
			<i>For Installation Above 14', Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1076	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	25.61	4.40
			<i>For Installation Above 14', Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 33 13-1077	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	32.81	5.37
			<i>For Installation Above 14', Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1078	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	36.89	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1079	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	45.41	7.33
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1080	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	58.19	8.30
			<i>For Installation Above 14', Add</i>	2.49	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
26 05 33 13-1081	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	65.03	11.73
			<i>For Installation Above 14', Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
26 05 33 13-1082	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	78.52	13.19
			<i>For Installation Above 14', Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
26 05 33 13-1083	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover	85.36	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0870)</small>					
26 05 33 13-1085	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	103.20	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1086	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	114.29	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1087	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	133.48	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1088	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	158.43	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1089	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	197.24	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1090	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	239.03	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1091 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	346.17 19.79 39.58 39.58	65.96
26 05 33 13-1092 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	443.86 26.39 52.77 52.77	87.95
26 05 33 13-1093 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	888.31 32.98 65.96 65.96	109.93
26 05 33 13-1094 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,301.01 40.16 80.33 80.33	133.88
26 05 33 13-1095 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0870)</small>		
26 05 33 13-1096 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.47 7.04 14.07 14.07	23.45
26 05 33 13-1097 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.04 8.06 16.13 16.13	26.87
26 05 33 13-1098 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.01 9.24 18.47 18.47	30.78
26 05 33 13-1099 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.91 10.70 21.40 21.40	35.67
26 05 33 13-1100 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.49 11.73 23.45 23.45	39.09
26 05 33 13-1101 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	331.54 14.07 28.14 28.14	46.91
26 05 33 13-1102 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	466.46 19.79 39.58 39.58	65.96
26 05 33 13-1103 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.86 26.39 52.77 52.77	87.95
26 05 33 13-1104 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	948.13 32.98 65.96 65.96	109.93
26 05 33 13-1105 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,379.29 40.16 80.33 80.33	133.88
26 05 33 13-1106 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0870)</small>		
26 05 33 13-1107 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.20 7.04 14.07 14.07	23.45
26 05 33 13-1108 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.54 8.06 16.13 16.13	26.87
26 05 33 13-1109 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.96 9.24 18.47 18.47	30.78

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1110	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	192.95	35.67
		<i>For Installation Above 14', Add</i>	10.70	
		<i>For Work In Restricted Working Space, Add</i>	21.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1111	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	265.40	39.09
		<i>For Installation Above 14', Add</i>	11.73	
		<i>For Work In Restricted Working Space, Add</i>	23.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1112	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	333.30	46.91
		<i>For Installation Above 14', Add</i>	14.07	
		<i>For Work In Restricted Working Space, Add</i>	28.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1113	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	517.61	65.96
		<i>For Installation Above 14', Add</i>	19.79	
		<i>For Work In Restricted Working Space, Add</i>	39.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.58	
26 05 33 13-1114	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	753.93	87.95
		<i>For Installation Above 14', Add</i>	26.39	
		<i>For Work In Restricted Working Space, Add</i>	52.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.77	
26 05 33 13-1115	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	948.13	109.93
		<i>For Installation Above 14', Add</i>	32.98	
		<i>For Work In Restricted Working Space, Add</i>	65.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.96	
26 05 33 13-1116 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0870)</small>				
26 05 33 13-1117	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	186.82	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1118	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	207.31	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1119	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	256.97	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1120	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	316.80	35.67
		<i>For Installation Above 14', Add</i>	10.70	
		<i>For Work In Restricted Working Space, Add</i>	21.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1121	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	440.38	39.09
		<i>For Installation Above 14', Add</i>	11.73	
		<i>For Work In Restricted Working Space, Add</i>	23.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1122	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	527.78	46.91
		<i>For Installation Above 14', Add</i>	14.07	
		<i>For Work In Restricted Working Space, Add</i>	28.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1123 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0870)</small>				
26 05 33 13-1124	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	35.93	9.39
		<i>For Installation Above 14', Add</i>	2.82	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1125	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.67	11.28
		<i>For Installation Above 14', Add</i>	3.38	
		<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-1126	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	60.57	15.04
		<i>For Installation Above 14', Add</i>	4.51	
		<i>For Work In Restricted Working Space, Add</i>	9.02	
26 05 33 13-1127	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	83.36	18.79
		<i>For Installation Above 14', Add</i>	5.64	
		<i>For Work In Restricted Working Space, Add</i>	11.28	
26 05 33 13-1128	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	109.41	22.55
		<i>For Installation Above 14', Add</i>	6.77	
		<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1129	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	188.58	26.31
		<i>For Installation Above 14', Add</i>	7.89	
		<i>For Work In Restricted Working Space, Add</i>	15.79	
26 05 33 13-1130	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	274.20	30.07
		<i>For Installation Above 14', Add</i>	9.02	
		<i>For Work In Restricted Working Space, Add</i>	18.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	342.16	33.83
<i>For Installation Above 14', Add</i>	10.15	
<i>For Work In Restricted Working Space, Add</i>	20.30	
26 05 33 13-1132 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	476.41	39.46
<i>For Installation Above 14', Add</i>	11.84	
<i>For Work In Restricted Working Space, Add</i>	23.68	
26 05 33 13-1133 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	578.49	45.11
<i>For Installation Above 14', Add</i>	13.53	
<i>For Work In Restricted Working Space, Add</i>	27.06	
26 05 33 13-1134 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	925.91	71.41
<i>For Installation Above 14', Add</i>	21.42	
<i>For Work In Restricted Working Space, Add</i>	42.85	
26 05 33 13-1135 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,265.47	109.00
<i>For Installation Above 14', Add</i>	32.70	
<i>For Work In Restricted Working Space, Add</i>	65.40	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-1137 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	133.15	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1138 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	157.44	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
26 05 33 13-1139 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	173.69	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1140 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	249.75	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1141 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	329.60	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1142 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	355.67	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1143 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	840.93	64.99
<i>For Installation Above 14', Add</i>	19.50	
<i>For Work In Restricted Working Space, Add</i>	38.99	
26 05 33 13-1144 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	887.02	87.95
<i>For Installation Above 14', Add</i>	26.39	
<i>For Work In Restricted Working Space, Add</i>	52.77	
26 05 33 13-1145 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,451.65	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.97	
26 05 33 13-1146 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,511.49	133.88
<i>For Installation Above 14', Add</i>	40.17	
<i>For Work In Restricted Working Space, Add</i>	80.33	
26 05 33 13-1147 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-1148 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	194.53	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1149 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	221.60	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1150 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	437.73	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1151 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	459.11	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1152 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	627.83	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1153 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	669.53	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1154 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,287.95	65.96
<i>For Installation Above 14', Add</i>	19.79	
<i>For Work In Restricted Working Space, Add</i>	39.58	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1155 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,354.78	87.95
For Installation Above 14', Add	26.39	
For Work In Restricted Working Space, Add	52.77	
26 05 33 13-1156 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,985.21	109.93
For Installation Above 14', Add	32.98	
For Work In Restricted Working Space, Add	65.96	
26 05 33 13-1157 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,247.68	133.88
For Installation Above 14', Add	40.16	
For Work In Restricted Working Space, Add	80.33	
26 05 33 13-1158 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0870)		
26 05 33 13-1159 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	74.54	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
26 05 33 13-1160 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	86.72	15.15
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.09	
26 05 33 13-1161 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	103.29	18.57
For Installation Above 14', Add	5.57	
For Work In Restricted Working Space, Add	11.14	
26 05 33 13-1162 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	121.94	21.50
For Installation Above 14', Add	6.45	
For Work In Restricted Working Space, Add	12.90	
26 05 33 13-1163 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0870)		
26 05 33 13-1164 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	58.55	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
26 05 33 13-1165 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	67.53	15.15
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.09	
26 05 33 13-1166 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	93.94	18.57
For Installation Above 14', Add	5.57	
For Work In Restricted Working Space, Add	11.14	
26 05 33 13-1167 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	122.01	21.50
For Installation Above 14', Add	6.45	
For Work In Restricted Working Space, Add	12.90	
26 05 33 13-1168 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	148.79	24.43
For Installation Above 14', Add	7.33	
For Work In Restricted Working Space, Add	14.66	
26 05 33 13-1169 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	214.41	26.87
For Installation Above 14', Add	8.06	
For Work In Restricted Working Space, Add	16.13	
26 05 33 13-1170 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	293.17	33.72
For Installation Above 14', Add	10.11	
For Work In Restricted Working Space, Add	20.23	
26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0870)		
26 05 33 13-1172 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	74.57	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
26 05 33 13-1173 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	88.93	15.15
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.09	
26 05 33 13-1174 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	103.31	18.57
For Installation Above 14', Add	5.57	
For Work In Restricted Working Space, Add	11.14	
26 05 33 13-1175 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	121.98	21.50
For Installation Above 14', Add	6.45	
For Work In Restricted Working Space, Add	12.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1176				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-1177	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	58.60	12.21
				<i>For Installation Above 14', Add</i>	3.66	
				<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1178	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	67.53	15.15
				<i>For Installation Above 14', Add</i>	4.55	
				<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1179	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	87.32	18.57
				<i>For Installation Above 14', Add</i>	5.57	
				<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1180	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	109.15	21.50
				<i>For Installation Above 14', Add</i>	6.45	
				<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1181	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	127.85	24.43
				<i>For Installation Above 14', Add</i>	7.33	
				<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1182	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	147.32	26.87
				<i>For Installation Above 14', Add</i>	8.06	
				<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1183	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	276.06	33.72
				<i>For Installation Above 14', Add</i>	10.11	
				<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1184	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	316.00	45.93
				<i>For Installation Above 14', Add</i>	13.78	
				<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-1185	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	340.81	51.79
				<i>For Installation Above 14', Add</i>	15.54	
				<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1186	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	420.27	67.42
				<i>For Installation Above 14', Add</i>	20.23	
				<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-1187				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0870)</small>		
26 05 33 13-1188	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	122.79	23.45
				<i>For Installation Above 14', Add</i>	7.04	
				<i>For Work In Restricted Working Space, Add</i>	14.07	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1189	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	132.62	26.87
				<i>For Installation Above 14', Add</i>	8.06	
				<i>For Work In Restricted Working Space, Add</i>	16.13	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1190	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	145.10	30.78
				<i>For Installation Above 14', Add</i>	9.24	
				<i>For Work In Restricted Working Space, Add</i>	18.47	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1191	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	195.18	35.67
				<i>For Installation Above 14', Add</i>	10.70	
				<i>For Work In Restricted Working Space, Add</i>	21.40	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1192	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	248.70	39.09
				<i>For Installation Above 14', Add</i>	11.73	
				<i>For Work In Restricted Working Space, Add</i>	23.45	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1193				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0870)</small>		
26 05 33 13-1194	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	148.13	23.45
				<i>For Installation Above 14', Add</i>	7.04	
				<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1195	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	159.51	26.87
				<i>For Installation Above 14', Add</i>	8.06	
				<i>For Work In Restricted Working Space, Add</i>	16.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	186.48	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1197	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	267.00	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1198	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	434.81	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1199	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	469.55	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1200 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover (26 05 33 13-0870)					
26 05 33 13-1201	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	162.51	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1202	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	183.49	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1203	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	200.17	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1204	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	280.91	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1205	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	467.97	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1206	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	499.99	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1207 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0870)					
26 05 33 13-1208	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	162.62	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1209	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	179.25	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1210	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	213.37	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1211	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	291.50	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1212	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	483.78	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1213	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	519.48	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1214 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0870)					
26 05 33 13-1215	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	202.43	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1216	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	223.50	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1217 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	242.15	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1218 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	613.22	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1219 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0870)</small>		
Note: Excludes cover.		
26 05 33 13-1220 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	96.29	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1221 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	105.80	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1222 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	118.08	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1223 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	107.08	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1224 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	115.24	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1225 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	131.20	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1226 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0870)</small>		
Note: Excludes cover.		
26 05 33 13-1227 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	101.39	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1228 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	111.54	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1229 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	122.05	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1230 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	114.38	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1231 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	124.66	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1232 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	140.89	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1233 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0870)</small>		
26 05 33 13-1234 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	36.42	2.93
<i>For Installation Above 14', Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-1235 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	49.58	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1236 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	46.78	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1237 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	41.54	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1238 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	203.70	4.88
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1239 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	181.01	4.88
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1240 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0870)</small>		
Note: Includes covers.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1241	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....210.45 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.45 9.24 18.47	30.78
26 05 33 13-1242	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....236.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.27 10.70 21.40	35.67
26 05 33 13-1243	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....327.18 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	327.18 11.73 23.45	39.09
26 05 33 13-1244	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....389.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	389.83 14.07 28.14	46.91
26 05 33 13-1245	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....563.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	563.34 19.79 39.58	65.96
26 05 33 13-1246	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....710.39 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	710.39 26.39 52.77	87.95
26 05 33 13-1247	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....1,043.04 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,043.04 32.98 65.96	109.93
26 05 33 13-1248	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....1,294.44 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,294.44 40.16 80.33	133.88
26 05 33 13-1249	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....210.45 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.45 9.24 18.47	30.78
26 05 33 13-1250	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....236.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.27 10.70 21.40	35.67
26 05 33 13-1251	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....326.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	326.27 11.73 23.45	39.09
26 05 33 13-1252	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....380.59 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	380.59 14.07 28.14	46.91
26 05 33 13-1253	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....571.85 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	571.85 19.79 39.58	65.96
26 05 33 13-1254	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....748.55 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	748.55 26.39 52.77	87.95
26 05 33 13-1255	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....1,089.11 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,089.11 32.98 65.96	109.93
26 05 33 13-1256	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....1,323.13 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,323.13 40.16 80.33	133.88
26 05 33 13-1257	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....210.45 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.45 9.24 18.47	30.78
26 05 33 13-1258	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....236.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.27 10.70 21.40	35.67
26 05 33 13-1259	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....326.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	326.27 11.73 23.45	39.09
26 05 33 13-1260	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....380.59 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	380.59 14.07 28.14	46.91
26 05 33 13-1261	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....571.85 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	571.85 19.79 39.58	65.96
26 05 33 13-1262	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....748.55 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	748.55 26.39 52.77	87.95
26 05 33 13-1263	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....1,089.11 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,089.11 32.98 65.96	109.93
26 05 33 13-1264	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....1,323.13 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,323.13 40.16 80.33	133.88
26 05 33 13-1265	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....210.45 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.45 9.24 18.47	30.78
26 05 33 13-1266	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....236.27 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.27 10.70 21.40	35.67
26 05 33 13-1267	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....327.18 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	327.18 11.73 23.45	39.09
26 05 33 13-1268	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....385.56 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	385.56 14.07 28.14	46.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1269 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	563.34 19.79 39.58	65.96
26 05 33 13-1270 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	710.39 26.39 52.77	87.95
26 05 33 13-1271 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,043.04 32.98 65.96	109.93
26 05 33 13-1272 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,306.39 40.16 80.33	133.88
26 05 33 13-1273 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0870)</small>		
26 05 33 13-1274 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	105.79 1.32 2.64	4.40
26 05 33 13-1275 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	106.78 1.47 2.93	4.88
26 05 33 13-1276 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	150.95 2.05 4.11	6.84
26 05 33 13-1277 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	152.90 2.35 4.69	7.82
26 05 33 13-1278 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	267.64 2.79 5.57	9.28
26 05 33 13-1279 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	272.52 3.52 7.04	11.73
26 05 33 13-1280 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	410.95 3.96 7.92	13.19
26 05 33 13-1281 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	418.76 5.13 10.26	17.10
26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1283 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	181.69 3.66 7.33	12.21
26 05 33 13-1284 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	214.59 4.55 9.09	15.15
26 05 33 13-1285 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.94 5.57 11.14	18.57
26 05 33 13-1286 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	312.98 6.45 12.90	21.50
26 05 33 13-1287 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	418.87 7.33 14.66	24.43
26 05 33 13-1288 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	580.68 8.06 16.13	26.87
26 05 33 13-1289 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	829.79 10.11 20.23	33.72
26 05 33 13-1290 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,031.37 13.78 27.56	45.93
26 05 33 13-1291 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,448.43 15.54 31.08	51.79
26 05 33 13-1292 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,668.53 20.23 40.46	67.42
26 05 33 13-1293 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0870)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1294	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	289.42	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1295	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	300.28	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1296	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	337.09	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1297	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	408.00	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1298	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	494.73	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1299	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	632.90	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1300	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	935.00	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1301	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,171.96	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-1302	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,493.81	51.79
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1303	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,869.54	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-1304			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0870)</small>		
26 05 33 13-1305	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	59.84	5.87
			<i>For Installation Above 14', Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1306	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	64.80	7.33
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1307	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	71.23	8.79
			<i>For Installation Above 14', Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1308	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	80.52	10.75
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1309	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	108.49	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1310	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	132.68	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1311	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	190.14	17.10
			<i>For Installation Above 14', Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.26	
26 05 33 13-1312	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	248.17	22.97
			<i>For Installation Above 14', Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1313	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	317.16	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1314	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	398.80	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1315 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.83 16.42 32.84 32.84	54.72
26 05 33 13-1316 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	746.28 24.77 49.55 49.55	82.57
26 05 33 13-1317 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0870)</small>		
26 05 33 13-1318 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.45 1.76 3.52 3.52	5.87
26 05 33 13-1319 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.63 2.20 4.40 4.40	7.33
26 05 33 13-1320 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.73 2.64 5.28 5.28	8.79
26 05 33 13-1321 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.25 3.23 6.45 6.45	10.75
26 05 33 13-1322 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.83 3.66 7.33 7.33	12.21
26 05 33 13-1323 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.34 4.10 8.21 8.21	13.69
26 05 33 13-1324 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.25 5.13 10.26 10.26	17.10
26 05 33 13-1325 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.86 6.89 13.78 13.78	22.97
26 05 33 13-1326 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.69 7.77 15.54 15.54	25.90
26 05 33 13-1327 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.10 10.11 20.23 20.23	33.72
26 05 33 13-1328 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.58 16.42 32.84 32.84	54.72
26 05 33 13-1329 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,056.93 24.77 49.55 49.55	82.57
26 05 33 13-1330 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs <small>(26 05 33 13-0870)</small>		
26 05 33 13-1331 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.25 1.76 3.52 3.52	5.87
26 05 33 13-1332 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.09 2.20 4.40 4.40	7.33
26 05 33 13-1333 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.48 2.64 5.28 5.28	8.79
26 05 33 13-1334 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.74 3.23 6.45 6.45	10.75
26 05 33 13-1335 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.57 3.66 7.33 7.33	12.21

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1336	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	159.41	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1337 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0870)</small>					
26 05 33	13-1338	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	71.65	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33	13-1339	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	78.38	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33	13-1340	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	101.59	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33	13-1341	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	146.73	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33	13-1342	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	173.98	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33	13-1343	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	220.48	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33	13-1344	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	293.15	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33	13-1345	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	378.62	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33	13-1346	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	489.61	51.79
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33	13-1347	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	630.52	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33	13-1348	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,146.33	109.93
			<i>For Installation Above 14', Add</i>	32.98	
			<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33	13-1349	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,433.70	165.15
			<i>For Installation Above 14', Add</i>	49.55	
			<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-1350 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0870)</small>					
26 05 33	13-1351	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	73.24	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33	13-1352	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	84.45	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33	13-1353	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	104.83	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33	13-1354	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	152.67	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33	13-1355	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	182.23	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33	13-1356	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	238.30	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33	13-1357	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	331.28	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33	13-1358	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	417.39	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33	13-1359	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	559.70	51.79
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33	13-1360	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	700.35	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33	13-1361	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,274.33	109.93
			<i>For Installation Above 14', Add</i>	32.98	
			<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33	13-1362	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,640.39	165.15
			<i>For Installation Above 14', Add</i>	49.55	
			<i>For Work In Restricted Working Space, Add</i>	99.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0870)</small>		
26 05 33 13-1364	EA			3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	39.76	3.91
				<i>For Installation Above 14', Add</i>	1.17	
				<i>For Work In Restricted Working Space, Add</i>	2.35	
26 05 33 13-1365	EA			1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	43.64	4.88
				<i>For Installation Above 14', Add</i>	1.47	
				<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1366	EA			1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	49.61	4.88
				<i>For Installation Above 14', Add</i>	1.47	
				<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1367	EA			1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	61.28	5.37
				<i>For Installation Above 14', Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1368	EA			1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	64.72	5.37
				<i>For Installation Above 14', Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1369	EA			1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	55.64	6.36
				<i>For Installation Above 14', Add</i>	1.91	
				<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1370	EA			1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.32	6.36
				<i>For Installation Above 14', Add</i>	1.91	
				<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1371	EA			1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	97.88	6.36
				<i>For Installation Above 14', Add</i>	1.91	
				<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1372	EA			2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	108.82	7.33
				<i>For Installation Above 14', Add</i>	2.20	
				<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1373	EA			2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	105.84	7.33
				<i>For Installation Above 14', Add</i>	2.20	
				<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1374	EA			2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	111.38	7.33
				<i>For Installation Above 14', Add</i>	2.20	
				<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1375	EA			2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	125.32	7.33
				<i>For Installation Above 14', Add</i>	2.20	
				<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1376	EA			2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	124.50	8.79
				<i>For Installation Above 14', Add</i>	2.64	
				<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-1377	EA			3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	158.78	12.21
				<i>For Installation Above 14', Add</i>	3.66	
				<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1378	EA			3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	233.69	14.17
				<i>For Installation Above 14', Add</i>	4.25	
				<i>For Work In Restricted Working Space, Add</i>	8.50	
26 05 33 13-1379	EA			4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	312.68	19.54
				<i>For Installation Above 14', Add</i>	5.86	
				<i>For Work In Restricted Working Space, Add</i>	11.73	
26 05 33 13-1380	EA			5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	391.07	26.87
				<i>For Installation Above 14', Add</i>	8.06	
				<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1381				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0870)</small>		
26 05 33 13-1382	EA			1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	25.12	5.87
				<i>For Installation Above 14', Add</i>	1.76	
				<i>For Work In Restricted Working Space, Add</i>	3.52	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1383	EA			3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	28.31	7.33
				<i>For Installation Above 14', Add</i>	2.20	
				<i>For Work In Restricted Working Space, Add</i>	4.40	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1384	EA			1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.97	9.28
				<i>For Installation Above 14', Add</i>	2.79	
				<i>For Work In Restricted Working Space, Add</i>	5.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1385	EA			1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.21	10.75
				<i>For Installation Above 14', Add</i>	3.23	
				<i>For Work In Restricted Working Space, Add</i>	6.45	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1386	EA			1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.72	12.21
				<i>For Installation Above 14', Add</i>	3.66	
				<i>For Work In Restricted Working Space, Add</i>	7.33	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1/2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....27.81 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91 3.81 3.81	6.36
26 05 33 13-1388	EA	3/4" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....30.14 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20 4.40 4.40	7.33
26 05 33 13-1389	EA	1" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....34.82 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.79 5.57 5.57	9.28
26 05 33 13-1390	EA	1-1/4" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....41.17 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23 6.45 6.45	10.75
26 05 33 13-1391	EA	1-1/2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....44.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66 7.33 7.33	12.21
26 05 33 13-1392	EA	2" x 2-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....48.67 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10 8.21 8.21	13.69
26 05 33 13-1393	EA	1/2" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....27.94 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91 3.81 3.81	6.36
26 05 33 13-1394	EA	3/4" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....30.26 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20 4.40 4.40	7.33
26 05 33 13-1395	EA	1" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....35.05 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.79 5.57 5.57	9.28
26 05 33 13-1396	EA	1-1/4" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....41.42 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23 6.45 6.45	10.75
26 05 33 13-1397	EA	1-1/2" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....45.08 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66 7.33 7.33	12.21
26 05 33 13-1398	EA	2" x 3"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....49.33 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10 8.21 8.21	13.69
26 05 33 13-1399	EA	1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....29.68 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91 3.81 3.81	6.36
26 05 33 13-1400	EA	3/4" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....32.00 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20 4.40 4.40	7.33
26 05 33 13-1401	EA	1" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....36.92 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.79 5.57 5.57	9.28
26 05 33 13-1402	EA	1-1/4" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....42.48 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23 6.45 6.45	10.75
26 05 33 13-1403	EA	1-1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....46.25 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66 7.33 7.33	12.21
26 05 33 13-1404	EA	2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....51.38 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10 8.21 8.21	13.69
26 05 33 13-1405	EA	2-1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....71.35 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98 9.97 9.97	16.61
26 05 33 13-1406	EA	3" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....92.58 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89 13.78 13.78	22.97
26 05 33 13-1407	EA	1/2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....29.80 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91 3.81 3.81	6.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1408 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.24	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1409 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.18	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1410 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.54	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1411 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.43	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1412 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.43	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1413 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.17	16.61
<i>For Installation Above 14', Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1414 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.48	22.97
<i>For Installation Above 14', Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1415 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	114.83	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1416 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.87	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1417 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.04	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1418 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.50	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1419 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.45	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1420 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.04	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1421 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.94	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1422 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.55	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1423 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.37	16.61
<i>For Installation Above 14', Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1424 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	102.31	22.97
<i>For Installation Above 14', Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1425 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	116.08	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1426 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	138.20	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1427 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	202.92	46.42
<i>For Installation Above 14', Add</i>	13.92	
<i>For Work In Restricted Working Space, Add</i>	27.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1428 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.50	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1429	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.95	7.33
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-1430	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.94	9.28
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33	13-1431	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.95	10.75
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33	13-1432	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.04	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33	13-1433	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.66	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33	13-1434	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.69	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33	13-1435	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.07	22.97
			<i>For Installation Above 14', Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33	13-1436	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	123.06	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33	13-1437	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	149.98	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33	13-1438	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.54	46.42
			<i>For Installation Above 14', Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33	13-1439	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.21	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33	13-1440	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.65	7.33
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-1441	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.04	9.28
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33	13-1442	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.19	10.75
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33	13-1443	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.27	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33	13-1444	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.11	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33	13-1445	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.69	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33	13-1446	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	120.68	22.97
			<i>For Installation Above 14', Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33	13-1447	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	140.55	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33	13-1448	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	167.67	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33	13-1449	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	232.62	46.42
			<i>For Installation Above 14', Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1450 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.96	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1451 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.38	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1452 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.12	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1453 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.48	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1454 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.57	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1455 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.13	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1456 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	106.21	16.61
<i>For Installation Above 14', Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1457 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.27	22.97
<i>For Installation Above 14', Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1458 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	158.92	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1459 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	198.63	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1460 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	256.71	46.42
<i>For Installation Above 14', Add</i>	13.92	
<i>For Work In Restricted Working Space, Add</i>	27.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1461 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.73	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1462 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.24	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1463 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.86	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1464 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.90	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1465 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.99	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1466 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.56	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1467 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	118.90	16.61
<i>For Installation Above 14', Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1468 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.65	22.97
<i>For Installation Above 14', Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1469 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.19	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1470 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	208.12	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1471	EA		5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	260.15	46.42
			<i>For Installation Above 14', Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1472			Aluminum Conduit <small>(26 05 33 13-0041)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1473			Aluminum Conduit With Threaded Coupling <small>(26 05 33 13-1472)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1474	LF		1/2" Aluminum Conduit With Threaded Coupling.....	4.81	1.50
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1475	LF		3/4" Aluminum Conduit With Threaded Coupling.....	5.53	1.65
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-1476	LF		1" Aluminum Conduit With Threaded Coupling.....	6.50	1.80
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-1477	LF		1-1/4" Aluminum Conduit With Threaded Coupling.....	7.49	1.96
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	1.46	
26 05 33 13-1478	LF		1-1/2" Aluminum Conduit With Threaded Coupling.....	8.50	2.11
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-1479	LF		2" Aluminum Conduit With Threaded Coupling.....	10.35	2.41
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1480	LF		2-1/2" Aluminum Conduit With Threaded Coupling.....	14.36	3.01
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.13	
			<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-1481	LF		3" Aluminum Conduit With Threaded Coupling.....	18.01	3.61
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-1482	LF		3-1/2" Aluminum Conduit With Threaded Coupling.....	22.07	4.51
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.38	
26 05 33 13-1483	LF		4" Aluminum Conduit With Threaded Coupling.....	27.07	5.71
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
26 05 33 13-1484	LF		5" Aluminum Conduit With Threaded Coupling.....	36.33	7.22
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.71	
			<i>For Work In Restricted Working Space, Add</i>	5.41	
26 05 33 13-1485	LF		6" Aluminum Conduit With Threaded Coupling.....	46.62	9.02
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-1486			Aluminum 90 Degree Elbows <small>(26 05 33 13-1472)</small>		
26 05 33 13-1487	EA		1" Aluminum 90 Degree Elbow.....	30.68	7.82
			<i>For Work In Restricted Working Space, Add</i>	5.86	
26 05 33 13-1488	EA		1-1/4" Aluminum 90 Degree Elbow.....	39.88	8.87
			<i>For Work In Restricted Working Space, Add</i>	6.65	
26 05 33 13-1489	EA		1-1/2" Aluminum 90 Degree Elbow.....	49.11	10.23
			<i>For Work In Restricted Working Space, Add</i>	7.67	
26 05 33 13-1490	EA		2" Aluminum 90 Degree Elbow.....	63.99	11.73
			<i>For Work In Restricted Working Space, Add</i>	8.80	
26 05 33 13-1491	EA		2-1/2" Aluminum 90 Degree Elbow.....	94.13	14.29
			<i>For Work In Restricted Working Space, Add</i>	10.71	
26 05 33 13-1492	EA		3" Aluminum 90 Degree Elbow.....	136.48	18.49
			<i>For Work In Restricted Working Space, Add</i>	13.87	
26 05 33 13-1493	EA		3-1/2" Aluminum 90 Degree Elbow.....	192.62	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
26 05 33 13-1494	EA		4" Aluminum 90 Degree Elbow.....	231.93	26.01
			<i>For Work In Restricted Working Space, Add</i>	19.51	
26 05 33 13-1495	EA		5" Aluminum 90 Degree Elbow.....	599.48	42.40
			<i>For Work In Restricted Working Space, Add</i>	31.80	
26 05 33 13-1496	EA		6" Aluminum 90 Degree Elbow.....	842.14	63.75
			<i>For Work In Restricted Working Space, Add</i>	47.81	
26 05 33 13-1497			Aluminum Bushing Set With Locknut <small>(26 05 33 13-1472)</small>		
26 05 33 13-1498	EA		1/2" Aluminum Bushing Set With Locknut.....	8.37	3.01
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33 13-1499	EA		3/4" Aluminum Bushing Set With Locknut.....	13.19	3.91
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-1500	EA		1" Aluminum Bushing Set With Locknut.....	12.58	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33 13-1501	EA		1-1/4" Aluminum Bushing Set With Locknut.....	14.15	5.41
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1502 EA 1-1/2" Aluminum Bushing Set With Locknut	17.31	6.62
For Work In Restricted Working Space, Add	4.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-1503 EA 2" Aluminum Bushing Set With Locknut.....	21.22	7.97
For Work In Restricted Working Space, Add	5.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.98	
26 05 33 13-1504 EA 2-1/2" Aluminum Bushing Set With Locknut	26.32	9.47
For Work In Restricted Working Space, Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.10	
26 05 33 13-1505 EA 3" Aluminum Bushing Set With Locknut.....	30.97	10.83
For Work In Restricted Working Space, Add	8.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 05 33 13-1506 EA 3-1/2" Aluminum Bushing Set With Locknut	33.48	11.73
For Work In Restricted Working Space, Add	8.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.80	
26 05 33 13-1507 EA 4" Aluminum Bushing Set With Locknut.....	36.57	12.63
For Work In Restricted Working Space, Add	9.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 05 33 13-1508 EA 5" Aluminum Bushing Set With Locknut.....	48.35	16.83
For Work In Restricted Working Space, Add	12.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 05 33 13-1509 EA 6" Aluminum Bushing Set With Locknut.....	71.72	25.26
For Work In Restricted Working Space, Add	18.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.94	
26 05 33 13-1510 Aluminum Type LB, LL Or LR Two Hub Conduit Bodies With Cover <small>(26 05 33 13-1472)</small>		
26 05 33 13-1511 EA 1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	34.22	10.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 05 33 13-1512 EA 3/4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	40.27	12.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1513 EA 1" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	49.59	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-1514 EA 1-1/4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	61.15	16.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.36	
26 05 33 13-1515 EA 1-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	71.16	18.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-1516 EA 2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	97.30	21.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.24	
26 05 33 13-1517 EA 2-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	182.33	30.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.85	
26 05 33 13-1518 EA 3" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	240.85	40.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.44	
26 05 33 13-1519 EA 3-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	375.62	50.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.07	
26 05 33 13-1520 EA 4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover	416.39	61.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.34	
26 05 33 13-1521 Aluminum Type T Three Hub Conduit Bodies With Cover <small>(26 05 33 13-1472)</small>		
26 05 33 13-1522 EA 1/2" Aluminum Type T Three Hub Conduit Body With Cover	39.76	12.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1523 EA 3/4" Aluminum Type T Three Hub Conduit Body With Cover	47.16	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-1524 EA 1" Aluminum Type T Three Hub Conduit Body With Cover	55.08	15.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 05 33 13-1525 EA 1-1/4" Aluminum Type T Three Hub Conduit Body With Cover	69.63	18.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-1526 EA 1-1/2" Aluminum Type T Three Hub Conduit Body With Cover	82.36	19.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.88	
26 05 33 13-1527 EA 2" Aluminum Type T Three Hub Conduit Body With Cover	109.24	23.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.43	
26 05 33 13-1528 EA 2-1/2" Aluminum Type T Three Hub Conduit Body With Cover	214.09	33.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.37	
26 05 33 13-1529 EA 3" Aluminum Type T Three Hub Conduit Body With Cover	249.34	43.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.99	
26 05 33 13-1530 EA 3-1/2" Aluminum Type T Three Hub Conduit Body With Cover	441.56	54.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.59	
26 05 33 13-1531 EA 4" Aluminum Type T Three Hub Conduit Body With Cover	472.50	65.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.05	
26 05 33 13-1532 Aluminum Type C Two Hub Conduit Bodies With Cover <small>(26 05 33 13-1472)</small>		
26 05 33 13-1533 EA 1/2" Aluminum Type C Two Hub Conduit Body With Cover.....	34.55	10.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 05 33 13-1534 EA 3/4" Aluminum Type C Two Hub Conduit Body With Cover.....	39.86	12.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1535 EA 1" Aluminum Type C Two Hub Conduit Body With Cover.....	48.85	14.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-1536 EA 1-1/4" Aluminum Type C Two Hub Conduit Body With Cover	61.25	16.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.36	
26 05 33 13-1537 EA 1-1/2" Aluminum Type C Two Hub Conduit Body With Cover	71.31	18.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1538	EA		2" Aluminum Type C Two Hub Conduit Body With Cover.....	97.28	21.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1539	EA		2-1/2" Aluminum Type C Two Hub Conduit Body With Cover.....	181.48	30.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.85	
26 05 33 13-1540	EA		3" Aluminum Type C Two Hub Conduit Body With Cover.....	222.39	40.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.44	
26 05 33 13-1541	EA		3-1/2" Aluminum Type C Two Hub Conduit Body With Cover.....	374.37	50.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.07	
26 05 33 13-1542	EA		4" Aluminum Type C Two Hub Conduit Body With Cover.....	414.29	61.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.34	
26 05 33 13-1543			Aluminum Type X Four Hub Conduit Bodies With Cover <small>(26 05 33 13-1472)</small>		
26 05 33 13-1544	EA		1/2" Aluminum Type X Four Hub Conduit Body With Cover.....	45.98	14.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67	
26 05 33 13-1545	EA		3/4" Aluminum Type X Four Hub Conduit Body With Cover.....	53.47	15.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 05 33 13-1546	EA		1" Aluminum Type X Four Hub Conduit Body With Cover.....	62.99	17.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.04	
26 05 33 13-1547	EA		1-1/4" Aluminum Type X Four Hub Conduit Body With Cover.....	83.88	19.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.88	
26 05 33 13-1548	EA		1-1/2" Aluminum Type X Four Hub Conduit Body With Cover.....	88.39	21.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1549	EA		2" Aluminum Type X Four Hub Conduit Body With Cover.....	142.53	26.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.96	
26 05 33 13-1550			Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1551			Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1550)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1552	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	3.13	1.18
			<i>For Schedule 60, Add</i>	0.19	
			<i>For Schedule 80, Add</i>	0.35	
26 05 33 13-1553	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	3.47	1.30
			<i>For Schedule 60, Add</i>	0.22	
			<i>For Schedule 80, Add</i>	0.40	
26 05 33 13-1554	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.11	1.51
			<i>For Schedule 60, Add</i>	0.27	
			<i>For Schedule 80, Add</i>	0.49	
26 05 33 13-1555	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.76	1.73
			<i>For Schedule 60, Add</i>	0.32	
			<i>For Schedule 80, Add</i>	0.58	
26 05 33 13-1556	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	5.58	2.02
			<i>For Schedule 60, Add</i>	0.38	
			<i>For Schedule 80, Add</i>	0.69	
26 05 33 13-1557	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	6.46	2.31
			<i>For Schedule 60, Add</i>	0.46	
			<i>For Schedule 80, Add</i>	0.82	
26 05 33 13-1558	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	7.95	2.74
			<i>For Schedule 60, Add</i>	0.62	
			<i>For Schedule 80, Add</i>	1.07	
26 05 33 13-1559	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	9.24	3.18
			<i>For Schedule 60, Add</i>	0.72	
			<i>For Schedule 80, Add</i>	1.25	
26 05 33 13-1560	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	11.05	3.76
			<i>For Schedule 60, Add</i>	0.88	
			<i>For Schedule 80, Add</i>	1.52	
26 05 33 13-1561	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	13.37	4.62
			<i>For Schedule 60, Add</i>	1.03	
			<i>For Schedule 80, Add</i>	1.79	
26 05 33 13-1562	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	18.89	6.50
			<i>For Schedule 60, Add</i>	1.47	
			<i>For Schedule 80, Add</i>	2.55	
26 05 33 13-1563	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	25.16	8.66
			<i>For Schedule 60, Add</i>	1.96	
			<i>For Schedule 80, Add</i>	3.39	
26 05 33 13-1564			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1550)</small>		
			See CSI section 26 05 33 13-2312 for conduit field bending.		
26 05 33 13-1565	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	15.06	5.78
			See CSI section 26 05 33 13-2312 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	0.88	
			<i>For Schedule 80, Add</i>	1.66	
26 05 33 13-1566	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	16.59	6.35
			See CSI section 26 05 33 13-2312 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	0.97	
			<i>For Schedule 80, Add</i>	1.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1567 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	19.18	7.22
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.07	
For Schedule 60, Add	1.19	
For Schedule 80, Add	2.20	
26 05 33 13-1568 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	24.75	9.25
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.10	
For Schedule 60, Add	1.57	
For Schedule 80, Add	2.89	
26 05 33 13-1569 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	31.10	11.55
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.13	
For Schedule 60, Add	2.00	
For Schedule 80, Add	3.67	
26 05 33 13-1570 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	39.06	14.44
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.18	
For Schedule 60, Add	2.55	
For Schedule 80, Add	4.65	
26 05 33 13-1571 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	48.87	17.33
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.33	
For Schedule 60, Add	3.55	
For Schedule 80, Add	6.27	
26 05 33 13-1572 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	59.88	20.21
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.56	
For Schedule 60, Add	4.86	
For Schedule 80, Add	8.32	
26 05 33 13-1573 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	74.50	24.55
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.79	
For Schedule 60, Add	6.35	
For Schedule 80, Add	10.73	
26 05 33 13-1574 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	89.11	28.88
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-1.01	
For Schedule 60, Add	7.84	
For Schedule 80, Add	13.14	
26 05 33 13-1575 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	119.48	36.10
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-1.75	
For Schedule 60, Add	11.82	
For Schedule 80, Add	19.25	
26 05 33 13-1576 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	145.62	43.32
See CSI section 26 05 33 13-2312 for conduit field bending.		
For 45 Degree Elbows, Deduct	-2.24	
For Schedule 60, Add	14.74	
For Schedule 80, Add	23.89	
26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Adapters (26 05 33 13-1550)		
26 05 33 13-1578 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter	10.39	4.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	
26 05 33 13-1579 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter	11.92	4.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 33 13-1580 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter	13.51	5.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.90	
26 05 33 13-1581 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	15.14	5.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.33	
26 05 33 13-1582 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	18.79	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-1583 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter	22.67	8.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-1584 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	30.91	11.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-1585 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter	38.92	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.83	
26 05 33 13-1586 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	50.54	18.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.08	
26 05 33 13-1587 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter	61.47	23.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-1588 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter	79.49	28.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.66	
26 05 33 13-1589 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter	99.01	36.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.08	
26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1550)		
26 05 33 13-1591 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	11.15	3.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-1592 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	12.73	4.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1593	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.33 3.47	4.62
26 05 33 13-1594	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.82 3.90	5.20
26 05 33 13-1595	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68 4.33	5.78
26 05 33 13-1596	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.06 4.98	6.64
26 05 33 13-1597	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.73 5.63	7.51
26 05 33 13-1598	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.12 6.50	8.66
26 05 33 13-1599	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20 7.58	10.11
26 05 33 13-1600	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.81 8.66	11.55
26 05 33 13-1601	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.33 9.75	13.00
26 05 33 13-1602	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.44 10.83	14.44
26 05 33 13-1603			Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1550)		
26 05 33 13-1604	EA		1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.34 3.33	
26 05 33 13-1605	EA		3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68 3.99	
26 05 33 13-1606	EA		1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.23 4.44	
26 05 33 13-1607	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05 4.94	
26 05 33 13-1608			Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Bodies With Cover (26 05 33 13-1550)		
26 05 33 13-1609	EA		1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.73 8.66	11.55
26 05 33 13-1610	EA		3/4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.52 9.75	13.00
26 05 33 13-1611	EA		1" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.52 10.83	14.44
26 05 33 13-1612	EA		1-1/4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.64 13.00	17.33
26 05 33 13-1613	EA		1-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.51 16.25	21.67
26 05 33 13-1614	EA		2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.04 19.50	25.99
26 05 33 13-1615	EA		2-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.43 21.66	28.88
26 05 33 13-1616	EA		3" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.35 23.83	31.77
26 05 33 13-1617	EA		3-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.83 27.08	36.10
26 05 33 13-1618	EA		4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.64 31.41	41.88
26 05 33 13-1619			Polyvinyl Chloride (PVC) Type T Three Hub Conduit Bodies With Cover (26 05 33 13-1550)		
26 05 33 13-1620	EA		1/2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.38 2.83 5.09 11.28	15.04
26 05 33 13-1621	EA		3/4" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.05 3.24 5.78 12.41	16.53
26 05 33 13-1622	EA		1" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.87 3.45 6.18 13.53	18.04
26 05 33 13-1623	EA		1-1/4" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.30 4.80 8.30 15.79	21.04
26 05 33 13-1624	EA		1-1/2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.10 5.75 9.96 19.17	25.56
26 05 33 13-1625	EA		2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.95 7.45 12.69 22.55	30.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1626 Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1550)</small>						
	26 05 33 13-1627	EA		1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	60.95	14.44
	26 05 33 13-1628	EA		3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	68.75	17.33
	26 05 33 13-1629	EA		1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	76.95	20.21
	26 05 33 13-1630	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	84.75	23.11
	26 05 33 13-1631	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	92.38	25.99
	26 05 33 13-1632	EA		2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	101.05	28.88
	26 05 33 13-1633	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	122.15	33.22
	26 05 33 13-1634	EA		3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	144.71	37.54
	26 05 33 13-1635	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	168.94	43.32
	26 05 33 13-1636	EA		4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	200.20	50.55
	26 05 33 13-1637	EA		5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	259.19	60.65
	26 05 33 13-1638	EA		6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	339.66	77.98
26 05 33 13-1639 Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1550)</small>						
	26 05 33 13-1640	EA		1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	8.50	2.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.17	
	26 05 33 13-1641	EA		3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	10.06	3.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
	26 05 33 13-1642	EA		1" Polyvinyl Chloride (PVC) Conduit End Cap.....	11.61	4.05
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
	26 05 33 13-1643	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	13.71	4.62
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
	26 05 33 13-1644	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	15.84	5.20
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
	26 05 33 13-1645	EA		2" Polyvinyl Chloride (PVC) Conduit End Cap.....	18.36	5.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
	26 05 33 13-1646	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	25.16	6.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
	26 05 33 13-1647	EA		3" Polyvinyl Chloride (PVC) Conduit End Cap.....	27.70	7.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
	26 05 33 13-1648	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	34.58	8.37
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.28	
	26 05 33 13-1649	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap.....	40.99	8.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.72	
	26 05 33 13-1650	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap.....	46.87	10.11
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.58	
	26 05 33 13-1651	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap.....	58.43	11.55
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-1652 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0041)</small>						
Note: Exposed installation. Excludes supporting strap, hanger and fastening.						
26 05 33 13-1653 FRE SW Conduit <small>(26 05 33 13-1652)</small>						
	26 05 33 13-1654	LF		1/2" FRE SW Conduit.....	5.23	1.18
	26 05 33 13-1655	LF		3/4" FRE SW Conduit.....	5.80	1.30
	26 05 33 13-1656	LF		1" FRE SW Conduit.....	6.49	1.50
	26 05 33 13-1657	LF		1-1/4" FRE SW Conduit.....	7.18	1.73
	26 05 33 13-1658	LF		1-1/2" FRE SW Conduit.....	8.14	2.02
	26 05 33 13-1659	LF		2" FRE SW Conduit.....	8.94	2.31
	26 05 33 13-1660	LF		2-1/2" FRE SW Conduit.....	10.65	2.74
	26 05 33 13-1661	LF		3" FRE SW Conduit.....	12.48	3.18
	26 05 33 13-1662	LF		3-1/2" FRE SW Conduit.....	14.50	3.76
	26 05 33 13-1663	LF		4" FRE SW Conduit.....	17.23	4.62
	26 05 33 13-1664	LF		5" FRE SW Conduit.....	23.34	6.50
	26 05 33 13-1665	LF		6" FRE SW Conduit.....	30.54	8.66
26 05 33 13-1666 FRE SW Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1652)</small>						
	26 05 33 13-1667	EA		1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	56.36	5.78
				<i>For 24" Radius, Add</i>	3.87	
				<i>For 36" Radius, Add</i>	5.64	
				<i>For 48" Radius, Add</i>	7.41	
	26 05 33 13-1668	EA		3/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	62.82	6.35
				<i>For 24" Radius, Add</i>	4.31	
				<i>For 36" Radius, Add</i>	6.28	
				<i>For 48" Radius, Add</i>	8.25	
	26 05 33 13-1669	EA		1" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	65.46	7.22
				<i>For 24" Radius, Add</i>	4.46	
				<i>For 36" Radius, Add</i>	6.55	
				<i>For 48" Radius, Add</i>	8.63	
	26 05 33 13-1670	EA		1-1/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	70.98	9.25
				<i>For 24" Radius, Add</i>	4.75	
				<i>For 36" Radius, Add</i>	7.10	
				<i>For 48" Radius, Add</i>	9.45	
	26 05 33 13-1671	EA		1-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	77.23	11.55
				<i>For 24" Radius, Add</i>	5.07	
				<i>For 36" Radius, Add</i>	7.72	
				<i>For 48" Radius, Add</i>	10.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1672	EA		2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	91.12	14.44
			For 24" Radius, Add	5.93	
			For 36" Radius, Add	9.11	
			For 48" Radius, Add	12.29	
26 05 33 13-1673	EA		2-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	109.17	17.33
			For 24" Radius, Add	7.10	
			For 36" Radius, Add	10.92	
			For 48" Radius, Add	14.73	
26 05 33 13-1674	EA		3" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	129.57	20.21
			For 24" Radius, Add	8.45	
			For 36" Radius, Add	12.96	
			For 48" Radius, Add	17.46	
26 05 33 13-1675	EA		3-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	150.28	24.55
			For 24" Radius, Add	9.74	
			For 36" Radius, Add	15.03	
			For 48" Radius, Add	20.32	
26 05 33 13-1676	EA		4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	170.97	28.88
			For 24" Radius, Add	11.02	
			For 36" Radius, Add	17.10	
			For 48" Radius, Add	23.18	
26 05 33 13-1677	EA		5" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	213.73	36.10
			For 24" Radius, Add	13.77	
			For 36" Radius, Add	21.37	
			For 48" Radius, Add	28.97	
26 05 33 13-1678	EA		6" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	262.66	43.32
			For 24" Radius, Add	16.99	
			For 36" Radius, Add	26.27	
			For 48" Radius, Add	35.54	
26 05 33 13-1679			FRE SW Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1652)</small>		
26 05 33 13-1680	EA		1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	48.82	5.78
			For 24" Radius, Add	3.30	
			For 36" Radius, Add	4.88	
			For 48" Radius, Add	6.46	
26 05 33 13-1681	EA		3/4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	54.38	6.35
			For 24" Radius, Add	3.68	
			For 36" Radius, Add	5.44	
			For 48" Radius, Add	7.19	
26 05 33 13-1682	EA		1" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	56.93	7.22
			For 24" Radius, Add	3.82	
			For 36" Radius, Add	5.69	
			For 48" Radius, Add	7.57	
26 05 33 13-1683	EA		1-1/4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	62.37	9.25
			For 24" Radius, Add	4.10	
			For 36" Radius, Add	6.24	
			For 48" Radius, Add	8.37	
26 05 33 13-1684	EA		1-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	68.53	11.55
			For 24" Radius, Add	4.42	
			For 36" Radius, Add	6.85	
			For 48" Radius, Add	9.29	
26 05 33 13-1685	EA		2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	81.21	14.44
			For 24" Radius, Add	5.19	
			For 36" Radius, Add	8.12	
			For 48" Radius, Add	11.05	
26 05 33 13-1686	EA		2-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	97.32	17.33
			For 24" Radius, Add	6.22	
			For 36" Radius, Add	9.73	
			For 48" Radius, Add	13.25	
26 05 33 13-1687	EA		3" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	115.35	20.21
			For 24" Radius, Add	7.39	
			For 36" Radius, Add	11.54	
			For 48" Radius, Add	15.68	
26 05 33 13-1688	EA		3-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	134.28	24.55
			For 24" Radius, Add	8.54	
			For 36" Radius, Add	13.43	
			For 48" Radius, Add	18.32	
26 05 33 13-1689	EA		4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	153.20	28.88
			For 24" Radius, Add	9.69	
			For 36" Radius, Add	15.32	
			For 48" Radius, Add	20.96	
26 05 33 13-1690	EA		5" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	191.50	36.10
			For 24" Radius, Add	12.11	
			For 36" Radius, Add	19.15	
			For 48" Radius, Add	26.19	
26 05 33 13-1691	EA		6" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	234.87	43.32
			For 24" Radius, Add	14.91	
			For 36" Radius, Add	23.49	
			For 48" Radius, Add	32.07	

26 05 33 13-1692 FRE SW Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1652)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1693 EA 1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	45.28	5.20
<i>For 24" Radius, Add</i>	3.07	
<i>For 36" Radius, Add</i>	4.53	
<i>For 48" Radius, Add</i>	5.99	
26 05 33 13-1694 EA 3/4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	50.43	5.72
<i>For 24" Radius, Add</i>	3.43	
<i>For 36" Radius, Add</i>	5.04	
<i>For 48" Radius, Add</i>	6.66	
26 05 33 13-1695 EA 1" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	52.76	6.50
<i>For 24" Radius, Add</i>	3.55	
<i>For 36" Radius, Add</i>	5.28	
<i>For 48" Radius, Add</i>	7.00	
26 05 33 13-1696 EA 1-1/4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	57.66	8.31
<i>For 24" Radius, Add</i>	3.80	
<i>For 36" Radius, Add</i>	5.77	
<i>For 48" Radius, Add</i>	7.73	
26 05 33 13-1697 EA 1-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	63.22	10.40
<i>For 24" Radius, Add</i>	4.09	
<i>For 36" Radius, Add</i>	6.32	
<i>For 48" Radius, Add</i>	8.55	
26 05 33 13-1698 EA 2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	74.86	13.00
<i>For 24" Radius, Add</i>	4.80	
<i>For 36" Radius, Add</i>	7.49	
<i>For 48" Radius, Add</i>	10.17	
26 05 33 13-1699 EA 2-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	89.70	15.60
<i>For 24" Radius, Add</i>	5.75	
<i>For 36" Radius, Add</i>	8.97	
<i>For 48" Radius, Add</i>	12.19	
26 05 33 13-1700 EA 3" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	106.34	18.20
<i>For 24" Radius, Add</i>	6.84	
<i>For 36" Radius, Add</i>	10.63	
<i>For 48" Radius, Add</i>	14.43	
26 05 33 13-1701 EA 3-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	123.68	22.10
<i>For 24" Radius, Add</i>	7.90	
<i>For 36" Radius, Add</i>	12.37	
<i>For 48" Radius, Add</i>	16.84	
26 05 33 13-1702 EA 4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	141.05	25.99
<i>For 24" Radius, Add</i>	8.95	
<i>For 36" Radius, Add</i>	14.11	
<i>For 48" Radius, Add</i>	19.26	
26 05 33 13-1703 EA 5" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	176.30	32.50
<i>For 24" Radius, Add</i>	11.19	
<i>For 36" Radius, Add</i>	17.63	
<i>For 48" Radius, Add</i>	24.07	
26 05 33 13-1704 EA 6" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	216.32	39.00
<i>For 24" Radius, Add</i>	13.79	
<i>For 36" Radius, Add</i>	21.63	
<i>For 48" Radius, Add</i>	29.48	
26 05 33 13-1705 FRE SW Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1692)</small>		
26 05 33 13-1706 EA 1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	43.18	5.20
<i>For 24" Radius, Add</i>	2.91	
<i>For 36" Radius, Add</i>	4.32	
<i>For 48" Radius, Add</i>	5.72	
26 05 33 13-1707 EA 3/4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	48.08	5.72
<i>For 24" Radius, Add</i>	3.25	
<i>For 36" Radius, Add</i>	4.81	
<i>For 48" Radius, Add</i>	6.37	
26 05 33 13-1708 EA 1" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	50.39	6.50
<i>For 24" Radius, Add</i>	3.37	
<i>For 36" Radius, Add</i>	5.04	
<i>For 48" Radius, Add</i>	6.71	
26 05 33 13-1709 EA 1-1/4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	55.27	8.31
<i>For 24" Radius, Add</i>	3.63	
<i>For 36" Radius, Add</i>	5.53	
<i>For 48" Radius, Add</i>	7.43	
26 05 33 13-1710 EA 1-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	60.80	10.40
<i>For 24" Radius, Add</i>	3.91	
<i>For 36" Radius, Add</i>	6.08	
<i>For 48" Radius, Add</i>	8.25	
26 05 33 13-1711 EA 2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	72.11	13.00
<i>For 24" Radius, Add</i>	4.60	
<i>For 36" Radius, Add</i>	7.21	
<i>For 48" Radius, Add</i>	9.83	
26 05 33 13-1712 EA 2-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	86.41	15.60
<i>For 24" Radius, Add</i>	5.51	
<i>For 36" Radius, Add</i>	8.64	
<i>For 48" Radius, Add</i>	11.78	
26 05 33 13-1713 EA 3" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	102.38	18.20
<i>For 24" Radius, Add</i>	6.54	
<i>For 36" Radius, Add</i>	10.24	
<i>For 48" Radius, Add</i>	13.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1714	EA		3-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	119.24	22.10
			For 24" Radius, Add	7.56	
			For 36" Radius, Add	11.92	
			For 48" Radius, Add	16.29	
26 05 33 13-1715	EA		4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	136.11	25.99
			For 24" Radius, Add	8.58	
			For 36" Radius, Add	13.61	
			For 48" Radius, Add	18.64	
26 05 33 13-1716	EA		5" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	170.13	32.50
			For 24" Radius, Add	10.73	
			For 36" Radius, Add	17.01	
			For 48" Radius, Add	23.30	
26 05 33 13-1717	EA		6" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	208.60	39.00
			For 24" Radius, Add	13.21	
			For 36" Radius, Add	20.86	
			For 48" Radius, Add	28.51	
26 05 33 13-1718			FRE SW Conduit Double Bell Couplings (26 05 33 13-1652)		
26 05 33 13-1719	EA		1/2" FRE SW Conduit Double Bell Coupling.....	27.47	4.05
26 05 33 13-1720	EA		3/4" FRE SW Conduit Double Bell Coupling.....	30.89	4.62
26 05 33 13-1721	EA		1" FRE SW Conduit Double Bell Coupling.....	32.54	5.20
26 05 33 13-1722	EA		1-1/4" FRE SW Conduit Double Bell Coupling.....	34.14	5.78
26 05 33 13-1723	EA		1-1/2" FRE SW Conduit Double Bell Coupling.....	38.15	7.22
26 05 33 13-1724	EA		2" FRE SW Conduit Double Bell Coupling.....	45.61	8.66
26 05 33 13-1725	EA		2-1/2" FRE SW Conduit Double Bell Coupling.....	57.69	11.55
26 05 33 13-1726	EA		3" FRE SW Conduit Double Bell Coupling.....	70.67	14.44
26 05 33 13-1727	EA		3-1/2" FRE SW Conduit Double Bell Coupling.....	85.82	18.77
26 05 33 13-1728	EA		4" FRE SW Conduit Double Bell Coupling.....	100.98	23.11
26 05 33 13-1729	EA		5" FRE SW Conduit Double Bell Coupling.....	126.21	28.88
26 05 33 13-1730	EA		6" FRE SW Conduit Double Bell Coupling.....	157.76	36.10
26 05 33 13-1731			FRE SW Conduit Radius Double Bell Couplings (26 05 33 13-1652)		
26 05 33 13-1732	EA		1/2" FRE SW Conduit Radius Double Bell Coupling.....	19.90	4.05
26 05 33 13-1733	EA		3/4" FRE SW Conduit Radius Double Bell Coupling.....	22.43	4.62
26 05 33 13-1734	EA		1" FRE SW Conduit Radius Double Bell Coupling.....	24.00	5.20
26 05 33 13-1735	EA		1-1/4" FRE SW Conduit Radius Double Bell Coupling.....	25.55	5.78
26 05 33 13-1736	EA		1-1/2" FRE SW Conduit Radius Double Bell Coupling.....	29.28	7.22
26 05 33 13-1737	EA		2" FRE SW Conduit Radius Double Bell Coupling.....	32.96	8.66
26 05 33 13-1738	EA		2-1/2" FRE SW Conduit Radius Double Bell Coupling.....	42.43	11.55
26 05 33 13-1739	EA		3" FRE SW Conduit Radius Double Bell Coupling.....	52.37	14.44
26 05 33 13-1740	EA		3-1/2" FRE SW Conduit Radius Double Bell Coupling.....	65.23	18.77
26 05 33 13-1741	EA		4" FRE SW Conduit Radius Double Bell Coupling.....	78.10	23.11
26 05 33 13-1742	EA		5" FRE SW Conduit Radius Double Bell Coupling.....	97.63	28.88
26 05 33 13-1743	EA		6" FRE SW Conduit Radius Double Bell Coupling.....	122.03	36.10
26 05 33 13-1744			FRE SW Conduit Sleeve Couplings (26 05 33 13-1652)		
26 05 33 13-1745	EA		1/2" FRE SW Conduit Sleeve Coupling.....	22.28	3.33
26 05 33 13-1746	EA		3/4" FRE SW Conduit Sleeve Coupling.....	25.08	4.62
26 05 33 13-1747	EA		1" FRE SW Conduit Sleeve Coupling.....	26.68	5.20
26 05 33 13-1748	EA		1-1/4" FRE SW Conduit Sleeve Coupling.....	28.20	5.78
26 05 33 13-1749	EA		1-1/2" FRE SW Conduit Sleeve Coupling.....	32.13	7.22
26 05 33 13-1750	EA		2" FRE SW Conduit Sleeve Coupling.....	38.43	8.66
26 05 33 13-1751	EA		2-1/2" FRE SW Conduit Sleeve Coupling.....	48.98	11.55
26 05 33 13-1752	EA		3" FRE SW Conduit Sleeve Coupling.....	60.22	14.44
26 05 33 13-1753	EA		3-1/2" FRE SW Conduit Sleeve Coupling.....	74.06	18.77
26 05 33 13-1754	EA		4" FRE SW Conduit Sleeve Coupling.....	87.91	23.11
26 05 33 13-1755	EA		5" FRE SW Conduit Sleeve Coupling.....	109.87	28.88
26 05 33 13-1756	EA		6" FRE SW Conduit Sleeve Coupling.....	137.36	36.10
26 05 33 13-1757			FRE SW Conduit Expansion Joints (26 05 33 13-1652)		
26 05 33 13-1758	EA		1/2" FRE SW Conduit Expansion Joint.....	49.52	14.44
26 05 33 13-1759	EA		3/4" FRE SW Conduit Expansion Joint.....	58.20	17.33
26 05 33 13-1760	EA		1" FRE SW Conduit Expansion Joint.....	65.60	20.21
26 05 33 13-1761	EA		1-1/4" FRE SW Conduit Expansion Joint.....	72.92	23.11
26 05 33 13-1762	EA		1-1/2" FRE SW Conduit Expansion Joint.....	80.48	25.99
26 05 33 13-1763	EA		2" FRE SW Conduit Expansion Joint.....	90.64	28.88
26 05 33 13-1764	EA		2-1/2" FRE SW Conduit Expansion Joint.....	105.17	33.22
26 05 33 13-1765	EA		3" FRE SW Conduit Expansion Joint.....	120.42	37.54
26 05 33 13-1766	EA		3-1/2" FRE SW Conduit Expansion Joint.....	138.19	43.32
26 05 33 13-1767	EA		4" FRE SW Conduit Expansion Joint.....	159.56	50.55
26 05 33 13-1768	EA		5" FRE SW Conduit Expansion Joint.....	185.91	57.77
26 05 33 13-1769	EA		6" FRE SW Conduit Expansion Joint.....	214.33	64.99
26 05 33 13-1770			FRE SW Conduit O-Ring Expansion Joints (26 05 33 13-1652)		
26 05 33 13-1771	EA		1/2" FRE SW Conduit O-Ring Expansion Joint.....	54.96	14.44
26 05 33 13-1772	EA		3/4" FRE SW Conduit O-Ring Expansion Joint.....	64.31	17.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1773 EA 1" FRE SW Conduit O-Ring Expansion Joint.....	71.74	20.21
26 05 33 13-1774 EA 1-1/4" FRE SW Conduit O-Ring Expansion Joint	79.12	23.11
26 05 33 13-1775 EA 1-1/2" FRE SW Conduit O-Ring Expansion Joint	86.74	25.99
26 05 33 13-1776 EA 2" FRE SW Conduit O-Ring Expansion Joint.....	97.78	28.88
26 05 33 13-1777 EA 2-1/2" FRE SW Conduit O-Ring Expansion Joint	113.74	33.22
26 05 33 13-1778 EA 3" FRE SW Conduit O-Ring Expansion Joint	130.71	37.54
26 05 33 13-1779 EA 3-1/2" FRE SW Conduit O-Ring Expansion Joint	149.77	43.32
26 05 33 13-1780 EA 4" FRE SW Conduit O-Ring Expansion Joint.....	172.43	50.55
26 05 33 13-1781 EA 5" FRE SW Conduit O-Ring Expansion Joint.....	202.04	57.77
26 05 33 13-1782 EA 6" FRE SW Conduit O-Ring Expansion Joint.....	234.49	64.99
26 05 33 13-1783 FRE SW Conduit Adapters (26 05 33 13-1652)		
26 05 33 13-1784 EA 1/2" FRE SW Conduit Adapter.....	54.97	4.05
26 05 33 13-1785 EA 3/4" FRE SW Conduit Adapter.....	61.38	4.62
26 05 33 13-1786 EA 1" FRE SW Conduit Adapter.....	64.36	5.20
26 05 33 13-1787 EA 1-1/4" FRE SW Conduit Adapter.....	67.40	5.78
26 05 33 13-1788 EA 1-1/2" FRE SW Conduit Adapter.....	71.83	7.22
26 05 33 13-1789 EA 2" FRE SW Conduit Adapter.....	80.57	8.66
26 05 33 13-1790 EA 2-1/2" FRE SW Conduit Adapter.....	99.57	11.55
26 05 33 13-1791 EA 3" FRE SW Conduit Adapter.....	120.88	14.44
26 05 33 13-1792 EA 3-1/2" FRE SW Conduit Adapter.....	142.31	18.77
26 05 33 13-1793 EA 4" FRE SW Conduit Adapter.....	163.76	23.11
26 05 33 13-1794 EA 5" FRE SW Conduit Adapter.....	204.72	28.88
26 05 33 13-1795 EA 6" FRE SW Conduit Adapter.....	254.88	36.10
26 05 33 13-1796 FRE SW Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1652)		
26 05 33 13-1797 EA 1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	64.44	14.44
26 05 33 13-1798 EA 3/4" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	74.81	17.33
26 05 33 13-1799 EA 1" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	89.45	20.21
26 05 33 13-1800 EA 1-1/4" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	110.22	23.11
26 05 33 13-1801 EA 1-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	136.89	25.99
26 05 33 13-1802 EA 2" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	178.77	28.88
26 05 33 13-1803 EA 2-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	250.73	33.22
26 05 33 13-1804 EA 3" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	301.80	37.54
26 05 33 13-1805 EA 3-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	364.04	43.32
26 05 33 13-1806 EA 4" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	429.89	50.55
26 05 33 13-1807 EA 5" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	504.95	57.77
26 05 33 13-1808 EA 6" FRE SW Conduit O-Ring Expansion/Deflection Joint.....	774.53	64.99
26 05 33 13-1809 FRE SW Type LB, LR Or LL Two Hub Conduit Bodies And Cover (26 05 33 13-1652)		
26 05 33 13-1810 EA 1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	53.97	11.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-1811 EA 3/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	62.42	13.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.75	
26 05 33 13-1812 EA 1" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	81.71	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.83	
26 05 33 13-1813 EA 1-1/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	99.66	17.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.00	
26 05 33 13-1814 EA 1-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	126.59	21.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.25	
26 05 33 13-1815 EA 2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	172.31	25.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.50	
26 05 33 13-1816 EA 2-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	277.05	30.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.75	
26 05 33 13-1817 EA 3" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	354.95	34.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.00	
26 05 33 13-1818 EA 3-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	426.40	40.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.33	
26 05 33 13-1819 EA 4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	497.86	46.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.66	
26 05 33 13-1820 EA 5" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	586.08	51.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.99	
26 05 33 13-1821 EA 6" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	664.25	57.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.33	
26 05 33 13-1822 Explosion Proof Conduit Fittings (26 05 33 13-0041)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1823 Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1822)		
26 05 33 13-1824 EA 1/2" Explosion Proof Malleable Iron Conduit Union	41.35	6.26
26 05 33 13-1825 EA 3/4" Explosion Proof Malleable Iron Conduit Union	52.56	6.92
26 05 33 13-1826 EA 1" Explosion Proof Malleable Iron Conduit Union	86.93	9.23
26 05 33 13-1827 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	121.72	10.21
26 05 33 13-1828 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	154.68	12.52
26 05 33 13-1829 EA 2" Explosion Proof Malleable Iron Conduit Union	194.82	14.50
26 05 33 13-1830 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	275.59	20.72
26 05 33 13-1831 EA 3" Explosion Proof Malleable Iron Conduit Union	390.63	24.67

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1832	EA		3-1/2" Explosion Proof Malleable Iron Conduit Union	617.49	29.60
26 05 33 13-1833	EA		4" Explosion Proof Malleable Iron Conduit Union	671.31	37.83
26 05 33 13-1834			Explosion Proof Malleable Iron Hub Bodies (26 05 33 13-1822)		
26 05 33 13-1835	EA		1/2" Explosion Proof Malleable Iron Two Hub Body	76.99	19.77
26 05 33 13-1836	EA		3/4" Explosion Proof Malleable Iron Two Hub Body	94.11	22.40
26 05 33 13-1837	EA		1" Explosion Proof Malleable Iron Two Hub Body	104.11	24.71
26 05 33 13-1838	EA		1/2" Explosion Proof Malleable Iron Three Hub Body	102.11	24.71
26 05 33 13-1839	EA		3/4" Explosion Proof Malleable Iron Three Hub Body	121.61	29.65
26 05 33 13-1840	EA		1" Explosion Proof Malleable Iron Three Hub Body	136.24	33.93
26 05 33 13-1841			Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1822)		
26 05 33 13-1842	EA		1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	79.71	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 05 33 13-1843	EA		3/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	91.30	18.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.84	
26 05 33 13-1844	EA		1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	108.60	20.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.07	
26 05 33 13-1845	EA		1-1/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	132.23	24.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1846	EA		1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	179.28	28.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.74	
26 05 33 13-1847	EA		2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	221.10	32.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.71	
26 05 33 13-1848	EA		2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	336.66	49.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.00	
26 05 33 13-1849	EA		3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	417.43	61.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.37	
26 05 33 13-1850	EA		3-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	938.32	68.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.06	
26 05 33 13-1851	EA		4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,283.04	74.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.50	
26 05 33 13-1852			Explosion Proof Flexible Conduit Couplings (26 05 33 13-1822)		
26 05 33 13-1853	EA		1/2" x 12" Explosion Proof Flexible Conduit Coupling	478.43	7.58
26 05 33 13-1854	EA		3/4" x 15" Explosion Proof Flexible Conduit Coupling	671.35	8.56
26 05 33 13-1855			Conduit Installed Below Grade (26 05 33 13-0040)		
			Note: By direct burial in trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1856			Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1855)		
26 05 33 13-1857			Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial (26 05 33 13-1856)		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1858	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.50	
			<i>For Schedule 60, Add</i>	0.16	
			<i>For Schedule 80, Add</i>	0.29	
26 05 33 13-1859	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.74	
			<i>For Schedule 60, Add</i>	0.18	
			<i>For Schedule 80, Add</i>	0.33	
26 05 33 13-1860	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.02	
			<i>For Schedule 60, Add</i>	0.22	
			<i>For Schedule 80, Add</i>	0.38	
26 05 33 13-1861	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.31	
			<i>For Schedule 60, Add</i>	0.25	
			<i>For Schedule 80, Add</i>	0.44	
26 05 33 13-1862	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.59	
			<i>For Schedule 60, Add</i>	0.28	
			<i>For Schedule 80, Add</i>	0.49	
26 05 33 13-1863	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.93	
			<i>For Schedule 60, Add</i>	0.33	
			<i>For Schedule 80, Add</i>	0.56	
26 05 33 13-1864	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.52	
			<i>For Schedule 60, Add</i>	0.44	
			<i>For Schedule 80, Add</i>	0.72	
26 05 33 13-1865	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.91	
			<i>For Schedule 60, Add</i>	0.51	
			<i>For Schedule 80, Add</i>	0.82	
26 05 33 13-1866	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.45	
			<i>For Schedule 60, Add</i>	0.60	
			<i>For Schedule 80, Add</i>	0.96	
26 05 33 13-1867	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.79	
			<i>For Schedule 60, Add</i>	0.65	
			<i>For Schedule 80, Add</i>	1.03	
26 05 33 13-1868	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.79	
			<i>For Schedule 60, Add</i>	0.87	
			<i>For Schedule 80, Add</i>	1.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1869 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.82	
<i>For Schedule 60, Add</i>	1.09	
<i>For Schedule 80, Add</i>	1.65	
26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1856)</small>		
See CSI section 26 05 33 13-2312 for conduit field bending.		
26 05 33 13-1871 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.67	
<i>For 45 Degree Elbows, Deduct</i>	-0.04	
<i>For Schedule 60, Add</i>	1.06	
<i>For Schedule 80, Add</i>	2.02	
26 05 33 13-1872 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.37	
<i>For 45 Degree Elbows, Deduct</i>	-0.04	
<i>For Schedule 60, Add</i>	1.26	
<i>For Schedule 80, Add</i>	2.41	
26 05 33 13-1873 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.40	
<i>For 45 Degree Elbows, Deduct</i>	-0.07	
<i>For Schedule 60, Add</i>	1.55	
<i>For Schedule 80, Add</i>	2.92	
26 05 33 13-1874 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.52	
<i>For 45 Degree Elbows, Deduct</i>	-0.10	
<i>For Schedule 60, Add</i>	1.85	
<i>For Schedule 80, Add</i>	3.46	
26 05 33 13-1875 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.72	
<i>For 45 Degree Elbows, Deduct</i>	-0.13	
<i>For Schedule 60, Add</i>	2.18	
<i>For Schedule 80, Add</i>	4.03	
26 05 33 13-1876 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	39.06	
<i>For 45 Degree Elbows, Deduct</i>	-0.18	
<i>For Schedule 60, Add</i>	2.55	
<i>For Schedule 80, Add</i>	4.65	
26 05 33 13-1877 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.27	
<i>For 45 Degree Elbows, Deduct</i>	-0.33	
<i>For Schedule 60, Add</i>	3.37	
<i>For Schedule 80, Add</i>	5.91	
26 05 33 13-1878 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	52.65	
<i>For 45 Degree Elbows, Deduct</i>	-0.56	
<i>For Schedule 60, Add</i>	4.50	
<i>For Schedule 80, Add</i>	7.60	
26 05 33 13-1879 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	63.67	
<i>For 45 Degree Elbows, Deduct</i>	-0.79	
<i>For Schedule 60, Add</i>	5.81	
<i>For Schedule 80, Add</i>	9.65	
26 05 33 13-1880 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.68	
<i>For 45 Degree Elbows, Deduct</i>	-1.01	
<i>For Schedule 60, Add</i>	7.12	
<i>For Schedule 80, Add</i>	11.70	
26 05 33 13-1881 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	94.21	
<i>For 45 Degree Elbows, Deduct</i>	-1.75	
<i>For Schedule 60, Add</i>	10.55	
<i>For Schedule 80, Add</i>	16.73	
26 05 33 13-1882 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	109.50	
<i>For 45 Degree Elbows, Deduct</i>	-2.24	
<i>For Schedule 60, Add</i>	12.94	
<i>For Schedule 80, Add</i>	20.28	
26 05 33 13-1883 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial <small>(26 05 33 13-1856)</small>		
26 05 33 13-1884 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	10.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 33 13-1885 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	11.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-1886 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	13.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 05 33 13-1887 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	15.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-1888 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	
26 05 33 13-1889 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	18.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.20	
26 05 33 13-1890 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	21.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.85	
26 05 33 13-1891 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	24.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1892 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	28.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.58	
26 05 33 13-1893 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	32.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-1894 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	39.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
26 05 33 13-1895 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	44.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1896	Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1896)</small>		
26 05 33 13-1897	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	18.26	
26 05 33 13-1898	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.13	
26 05 33 13-1899	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.78	
26 05 33 13-1900	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	25.45	
26 05 33 13-1901	EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.12	
26 05 33 13-1902	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.20	
26 05 33 13-1903	EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	36.81	
26 05 33 13-1904	EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	44.33	
26 05 33 13-1905	EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	49.44	
26 05 33 13-1906	Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1856)</small>		
26 05 33 13-1907	EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	10.34	
26 05 33 13-1908	EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	11.92	
26 05 33 13-1909	EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	13.44	
26 05 33 13-1910	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	15.02	
26 05 33 13-1911	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	16.52	
26 05 33 13-1912	EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	18.19	
26 05 33 13-1913	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	21.22	
26 05 33 13-1914	EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	24.07	
26 05 33 13-1915	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	28.35	
26 05 33 13-1916	EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	32.03	
26 05 33 13-1917	EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	38.71	
26 05 33 13-1918	EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	43.56	
26 05 33 13-1919	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1855)</small>		
	Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1920	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1919)</small>		
	Note: Includes field bending for conduit up to 1".		
26 05 33 13-1921	LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	8.41	1.57
	For >250 To 500, Deduct	-0.32	
	For >500 To 1,000, Deduct	-0.53	
	For >1,000, Deduct	-0.74	
26 05 33 13-1922	LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	9.47	1.96
	For >250 To 500, Deduct	-0.36	
	For >500 To 1,000, Deduct	-0.60	
	For >1,000, Deduct	-0.83	
26 05 33 13-1923	LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	11.68	2.18
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-1.04	
26 05 33 13-1924	LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	14.16	2.93
	For >250 To 500, Deduct	-0.56	
	For >500 To 1,000, Deduct	-0.91	
	For >1,000, Deduct	-1.27	
26 05 33 13-1925	LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	16.67	3.31
	For >250 To 500, Deduct	-0.66	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.50	
26 05 33 13-1926	LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	21.17	3.61
	For >250 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.38	
	For >1,000, Deduct	-1.91	
26 05 33 13-1927	LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	30.84	5.41
	For >250 To 500, Deduct	-1.26	
	For >500 To 1,000, Deduct	-2.03	
	For >1,000, Deduct	-2.80	
26 05 33 13-1928	LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	39.70	6.77
	For >250 To 500, Deduct	-1.61	
	For >500 To 1,000, Deduct	-2.60	
	For >1,000, Deduct	-3.59	
26 05 33 13-1929	LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	48.96	7.14
	For >250 To 500, Deduct	-1.98	
	For >500 To 1,000, Deduct	-3.20	
	For >1,000, Deduct	-4.43	
26 05 33 13-1930	LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	58.11	7.89
	For >250 To 500, Deduct	-2.34	
	For >500 To 1,000, Deduct	-3.79	
	For >1,000, Deduct	-5.25	
26 05 33 13-1931	LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	91.58	10.90
	For >250 To 500, Deduct	-3.87	
	For >500 To 1,000, Deduct	-6.15	
	For >1,000, Deduct	-8.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1932	LF			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	122.45 -5.22 -8.28 -11.34	14.29
26 05 33 13-1933				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1934	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.03	2.26
26 05 33 13-1935	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.76	3.01
26 05 33 13-1936	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.67	3.76
26 05 33 13-1937	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.44	4.13
26 05 33 13-1938	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	18.31	4.88
26 05 33 13-1939	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.76	5.63
26 05 33 13-1940	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	44.42	6.77
26 05 33 13-1941	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.30	9.39
26 05 33 13-1942	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	69.91	10.90
26 05 33 13-1943	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	86.32	15.04
26 05 33 13-1944	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	224.66	20.67
26 05 33 13-1945	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	228.07	11.65
26 05 33 13-1946				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
				Note: 90, 45, or 30 degree.		
26 05 33 13-1947	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	34.63	9.39
26 05 33 13-1948	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	39.75	11.65
26 05 33 13-1949	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	47.42	14.29
26 05 33 13-1950	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.26	16.53
26 05 33 13-1951	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	66.07	18.79
26 05 33 13-1952	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.10	20.67
26 05 33 13-1953	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	126.76	25.94
26 05 33 13-1954	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	190.34	35.33
26 05 33 13-1955	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	236.73	39.84
26 05 33 13-1956	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	269.74	51.86
26 05 33 13-1957	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	569.18	84.57
26 05 33 13-1958	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	897.10	127.04
26 05 33 13-1959				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1960	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	84.76	14.29
26 05 33 13-1961	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	95.24	16.53
26 05 33 13-1962	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	108.75	18.79
26 05 33 13-1963	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	130.35	20.67
26 05 33 13-1964	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	182.50	25.94
26 05 33 13-1965				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1966	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	94.86	14.29
26 05 33 13-1967	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	111.93	16.53
26 05 33 13-1968	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.72	18.79
26 05 33 13-1969	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	156.44	20.67
26 05 33 13-1970	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	207.65	25.94
26 05 33 13-1971	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	264.94	35.33

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1973 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	106.93	14.29
26 05 33 13-1974 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	120.62	16.53
26 05 33 13-1975 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.07	18.79
26 05 33 13-1976 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	165.09	20.67
26 05 33 13-1977 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	236.56	25.94
26 05 33 13-1978 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	298.88	35.33
26 05 33 13-1979 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	378.85	39.84
26 05 33 13-1980 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	424.58	51.86
26 05 33 13-1981 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1982 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	127.79	14.29
26 05 33 13-1983 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	141.02	16.53
26 05 33 13-1984 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	159.23	18.79
26 05 33 13-1985 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	198.44	20.67
26 05 33 13-1986 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	288.29	25.94
26 05 33 13-1987 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	356.38	35.33
26 05 33 13-1988 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	413.96	39.84
26 05 33 13-1989 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	489.03	51.86
26 05 33 13-1990 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-1991 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	144.01	14.29
26 05 33 13-1992 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	160.00	16.53
26 05 33 13-1993 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	182.02	18.79
26 05 33 13-1994 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	227.47	20.67
26 05 33 13-1995 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	316.52	25.94
26 05 33 13-1996 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	402.37	35.33
26 05 33 13-1997 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	499.32	39.84
26 05 33 13-1998 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	548.20	51.86
26 05 33 13-1999 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	914.57	84.57
26 05 33 13-2000 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-2001 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	165.24	14.29
26 05 33 13-2002 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	182.95	16.53
26 05 33 13-2003 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	207.01	18.79
26 05 33 13-2004 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.67	20.67
26 05 33 13-2005 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	363.56	25.94
26 05 33 13-2006 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	460.96	35.33
26 05 33 13-2007 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	542.09	39.84
26 05 33 13-2008 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	624.57	51.86
26 05 33 13-2009 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	968.10	84.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,320.06	127.04
26 05 33 13-2011 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-2012 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	194.78	14.29
26 05 33 13-2013 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	203.40	16.53
26 05 33 13-2014 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	240.45	18.79
26 05 33 13-2015 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	304.49	20.67
26 05 33 13-2016 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	426.99	25.94
26 05 33 13-2017 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	539.96	35.33
26 05 33 13-2018 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	661.00	39.84
26 05 33 13-2019 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	773.16	51.86
26 05 33 13-2020 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,142.70	84.57
26 05 33 13-2021 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,400.21	127.04
26 05 33 13-2022 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-2023 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	201.90	14.29
26 05 33 13-2024 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	237.99	16.53
26 05 33 13-2025 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	269.38	18.79
26 05 33 13-2026 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	317.98	20.67
26 05 33 13-2027 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	442.83	25.94
26 05 33 13-2028 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	564.25	35.33
26 05 33 13-2029 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	725.76	39.84
26 05 33 13-2030 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	806.86	51.86
26 05 33 13-2031 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,189.60	84.57
26 05 33 13-2032 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,440.93	127.04
26 05 33 13-2033 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1919)</small>		
26 05 33 13-2034 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	66.01	9.39
26 05 33 13-2035 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	71.38	11.65
26 05 33 13-2036 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	93.01	14.29
26 05 33 13-2037 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	136.81	16.53
26 05 33 13-2038 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	162.70	18.79
26 05 33 13-2039 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	208.08	20.67
26 05 33 13-2040 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	277.59	25.94
26 05 33 13-2041 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	363.06	25.94
26 05 33 13-2042 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	465.71	39.84
26 05 33 13-2043 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	599.40	51.86
26 05 33 13-2044 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,095.59	84.57
26 05 33 13-2045 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,357.47	127.04
26 05 33 13-2046 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1919)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	67.60	9.39
26 05 33 13-2048 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	77.45	11.65
26 05 33 13-2049 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	96.25	14.29
26 05 33 13-2050 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	142.75	16.53
26 05 33 13-2051 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	170.95	18.79
26 05 33 13-2052 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	225.90	20.67
26 05 33 13-2053 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	315.72	25.94
26 05 33 13-2054 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	401.83	25.94
26 05 33 13-2055 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	535.80	39.84
26 05 33 13-2056 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	669.23	51.86
26 05 33 13-2057 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,223.59	84.57
26 05 33 13-2058 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,564.16	127.04

26 05 33 13-2059 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1919)

26 05 33 13-2060 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	22.41	4.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-2061 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.93	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2062 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.69	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2063 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.24	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2064 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.08	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2065 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.89	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2066 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.76	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2067 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.54	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2068 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.20	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2069 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.19	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2070 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.35	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2071 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.02	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2072 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2073 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.76	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2074 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.45	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2075 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.44	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2076 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.01	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2077 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.76	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2078 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2079 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.63	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2080 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.51	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2081 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.61	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2082 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.06	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2083 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.68	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2084 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.98	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2085 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2086 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.86	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2087 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.89	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2088 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.57	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2089 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.79	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2090 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.11	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2091 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.50	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2092 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.88	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2093 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.87	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2094 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.31	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2095 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.12	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2096 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.12	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2097 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.16	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2098 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.07	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2099 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.30	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2100 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.23	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2101 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.70	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2102 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.71	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2103 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.12	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2104 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.64	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2105 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.49	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2106 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.58	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2107	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2108	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.65	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2109	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.98	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2110	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.40	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2111	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.34	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2112	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.02	12.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2113	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.47	17.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2114	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.10	19.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2115	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.42	25.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2116	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.11	35.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2117	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.29	4.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2118	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.27	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2119	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.75	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2120	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.22	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2121	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.63	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2122	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.79	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2123	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.02	12.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2124	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.08	17.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2125	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.59	19.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2126	EA		4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.11	25.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2127	EA		5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.19	35.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2128	EA		1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.04	4.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2129	EA		3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.00	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2130	EA		1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.83	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2131	EA		1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.51	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2132	EA		1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.93	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2133	EA		2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.81	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2134	EA		2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.54	12.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2135 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	123.67	17.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.60	
26 05 33 13-2136 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	146.96	19.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.95	
26 05 33 13-2137 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	183.07	25.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 05 33 13-2138 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	235.28	35.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.42	
26 05 33 13-2139 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.81	4.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-2140 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.86	5.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-2141 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.57	7.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-2142 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.93	8.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-2143 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.35	9.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-2144 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	69.24	10.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-2145 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	111.23	12.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-2146 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	144.05	17.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.60	
26 05 33 13-2147 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	158.23	19.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.95	
26 05 33 13-2148 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	192.56	25.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 05 33 13-2149 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	238.72	35.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.42	
26 05 33 13-2150 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1855)</small>		
Note: Direct burial or encased application.		
26 05 33 13-2151 FRE SW Conduit <small>(26 05 33 13-2150)</small>		
26 05 33 13-2152 LF 1/2" FRE SW Conduit, Direct Burial.....	4.60	0.94
For Work In Restricted Working Space, Add	0.70	
26 05 33 13-2153 LF 3/4" FRE SW Conduit, Direct Burial.....	5.07	1.01
For Work In Restricted Working Space, Add	0.76	
26 05 33 13-2154 LF 1" FRE SW Conduit, Direct Burial.....	5.40	1.08
For Work In Restricted Working Space, Add	0.81	
26 05 33 13-2155 LF 1-1/4" FRE SW Conduit, Direct Burial.....	5.73	1.15
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2156 LF 1-1/2" FRE SW Conduit, Direct Burial.....	6.15	1.23
For Work In Restricted Working Space, Add	0.92	
26 05 33 13-2157 LF 2" FRE SW Conduit, Direct Burial.....	6.41	1.30
For Work In Restricted Working Space, Add	0.98	
26 05 33 13-2158 LF 2-1/2" FRE SW Conduit, Direct Burial.....	7.22	1.37
For Work In Restricted Working Space, Add	1.03	
26 05 33 13-2159 LF 3" FRE SW Conduit, Direct Burial.....	8.15	1.44
For Work In Restricted Working Space, Add	1.08	
26 05 33 13-2160 LF 3-1/2" FRE SW Conduit, Direct Burial.....	8.90	1.51
For Work In Restricted Working Space, Add	1.14	
26 05 33 13-2161 LF 4" FRE SW Conduit, Direct Burial.....	9.65	1.59
For Work In Restricted Working Space, Add	1.19	
26 05 33 13-2162 LF 5" FRE SW Conduit, Direct Burial.....	11.24	1.66
For Work In Restricted Working Space, Add	1.25	
26 05 33 13-2163 LF 6" FRE SW Conduit, Direct Burial.....	13.20	1.73
For Work In Restricted Working Space, Add	1.30	
26 05 33 13-2164 FRE SW Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2150)</small>		
26 05 33 13-2165 EA 1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	59.97	7.22
For Work In Restricted Working Space, Add	5.42	
For 24" Radius, Add	4.05	
For 36" Radius, Add	6.00	
For 48" Radius, Add	7.95	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2166 EA 3/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	68.60	8.66
For Work In Restricted Working Space, Add	6.50	
For 24" Radius, Add	4.60	
For 36" Radius, Add	6.86	
For 48" Radius, Add	9.12	
26 05 33 13-2167 EA 1" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	72.68	10.11
For Work In Restricted Working Space, Add	7.58	
For 24" Radius, Add	4.82	
For 36" Radius, Add	7.27	
For 48" Radius, Add	9.72	
26 05 33 13-2168 EA 1-1/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	76.75	11.55
For Work In Restricted Working Space, Add	8.66	
For 24" Radius, Add	5.03	
For 36" Radius, Add	7.68	
For 48" Radius, Add	10.32	
26 05 33 13-2169 EA 1-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	80.85	13.00
For Work In Restricted Working Space, Add	9.75	
For 24" Radius, Add	5.25	
For 36" Radius, Add	8.09	
For 48" Radius, Add	10.92	
26 05 33 13-2170 EA 2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	91.12	14.44
For Work In Restricted Working Space, Add	10.83	
For 24" Radius, Add	5.93	
For 36" Radius, Add	9.11	
For 48" Radius, Add	12.29	
26 05 33 13-2171 EA 2-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	105.57	15.89
For Work In Restricted Working Space, Add	11.92	
For 24" Radius, Add	6.92	
For 36" Radius, Add	10.56	
For 48" Radius, Add	14.19	
26 05 33 13-2172 EA 3" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	122.34	17.33
For Work In Restricted Working Space, Add	13.00	
For 24" Radius, Add	8.09	
For 36" Radius, Add	12.23	
For 48" Radius, Add	16.38	
26 05 33 13-2173 EA 3-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	139.45	20.21
For Work In Restricted Working Space, Add	15.17	
For 24" Radius, Add	9.20	
For 36" Radius, Add	13.95	
For 48" Radius, Add	18.70	
26 05 33 13-2174 EA 4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	156.54	25.99
For Work In Restricted Working Space, Add	17.33	
For 24" Radius, Add	10.30	
For 36" Radius, Add	15.65	
For 48" Radius, Add	21.01	
26 05 33 13-2175 EA 5" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	188.46	25.99
For Work In Restricted Working Space, Add	19.50	
For 24" Radius, Add	12.51	
For 36" Radius, Add	18.85	
For 48" Radius, Add	25.18	
26 05 33 13-2176 EA 6" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	226.54	28.88
For Work In Restricted Working Space, Add	21.66	
For 24" Radius, Add	15.19	
For 36" Radius, Add	22.65	
For 48" Radius, Add	30.12	
26 05 33 13-2177 FRE SW Conduit Double Bell Couplings (26 05 33 13-2150)		
26 05 33 13-2178 EA 1/2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	27.47	4.05
For Work In Restricted Working Space, Add	3.03	
26 05 33 13-2179 EA 3/4" FRE SW Conduit Double Bell Coupling, Direct Burial.....	30.89	4.62
For Work In Restricted Working Space, Add	3.47	
26 05 33 13-2180 EA 1" FRE SW Conduit Double Bell Coupling, Direct Burial.....	32.54	5.20
For Work In Restricted Working Space, Add	3.90	
26 05 33 13-2181 EA 1-1/4" FRE SW Conduit Double Bell Coupling, Direct Burial	34.14	5.78
For Work In Restricted Working Space, Add	4.33	
26 05 33 13-2182 EA 1-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial	35.99	6.35
For Work In Restricted Working Space, Add	4.77	
26 05 33 13-2183 EA 2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	41.27	6.93
For Work In Restricted Working Space, Add	5.20	
26 05 33 13-2184 EA 2-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial	48.30	7.79
For Work In Restricted Working Space, Add	5.85	
26 05 33 13-2185 EA 3" FRE SW Conduit Double Bell Coupling, Direct Burial.....	56.24	8.66
For Work In Restricted Working Space, Add	6.50	
26 05 33 13-2186 EA 3-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial	64.16	10.11
For Work In Restricted Working Space, Add	7.58	
26 05 33 13-2187 EA 4" FRE SW Conduit Double Bell Coupling, Direct Burial.....	72.09	11.55
For Work In Restricted Working Space, Add	8.66	
26 05 33 13-2188 EA 5" FRE SW Conduit Double Bell Coupling, Direct Burial.....	86.51	13.00
For Work In Restricted Working Space, Add	9.75	
26 05 33 13-2189 EA 6" FRE SW Conduit Double Bell Coupling, Direct Burial.....	103.60	14.44
For Work In Restricted Working Space, Add	10.83	

26 05 33 13-2190 FRE SW Conduit Radius Double Bell Couplings (26 05 33 13-2150)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2191 EA 1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	19.90	4.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33 13-2192 EA 3/4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	22.43	4.62
<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 33 13-2193 EA 1" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	24.00	5.20
<i>For Work In Restricted Working Space, Add</i>	3.90	
26 05 33 13-2194 EA 1-1/4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	25.55	5.78
<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33 13-2195 EA 1-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	27.12	6.35
<i>For Work In Restricted Working Space, Add</i>	4.77	
26 05 33 13-2196 EA 2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	28.62	6.93
<i>For Work In Restricted Working Space, Add</i>	5.20	
26 05 33 13-2197 EA 2-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	33.04	7.79
<i>For Work In Restricted Working Space, Add</i>	5.85	
26 05 33 13-2198 EA 3" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	37.94	8.66
<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33 13-2199 EA 3-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	43.57	10.11
<i>For Work In Restricted Working Space, Add</i>	7.58	
26 05 33 13-2200 EA 4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	49.21	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
26 05 33 13-2201 EA 5" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	57.93	13.00
<i>For Work In Restricted Working Space, Add</i>	9.75	
26 05 33 13-2202 EA 6" FRE SW Conduit Radius Double Bell Coupling, Direct Burial	67.87	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33 13-2203 FRE SW Conduit Sleeve Couplings <small>(26 05 33 13-2150)</small>		
26 05 33 13-2204 EA 1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	17.95	2.31
<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 33 13-2205 EA 3/4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	20.03	2.60
<i>For Work In Restricted Working Space, Add</i>	1.95	
26 05 33 13-2206 EA 1" FRE SW Conduit Sleeve Coupling, Direct Burial.....	20.90	2.88
<i>For Work In Restricted Working Space, Add</i>	2.17	
26 05 33 13-2207 EA 1-1/4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	21.70	3.18
<i>For Work In Restricted Working Space, Add</i>	2.38	
26 05 33 13-2208 EA 1-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	22.74	3.47
<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-2209 EA 2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	26.87	4.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33 13-2210 EA 2-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	32.37	4.91
<i>For Work In Restricted Working Space, Add</i>	3.68	
26 05 33 13-2211 EA 3" FRE SW Conduit Sleeve Coupling, Direct Burial.....	38.56	5.78
<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33 13-2212 EA 3-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	45.18	7.22
<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33 13-2213 EA 4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	51.81	8.66
<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33 13-2214 EA 5" FRE SW Conduit Sleeve Coupling, Direct Burial.....	62.94	10.11
<i>For Work In Restricted Working Space, Add</i>	7.58	
26 05 33 13-2215 EA 6" FRE SW Conduit Sleeve Coupling, Direct Burial.....	75.98	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
26 05 33 13-2216 FRE SW Conduit Expansion Joints <small>(26 05 33 13-2150)</small>		
26 05 33 13-2217 EA 1/2" FRE SW Conduit Expansion Joint, Direct Burial.....	49.52	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33 13-2218 EA 3/4" FRE SW Conduit Expansion Joint, Direct Burial.....	58.20	17.33
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-2219 EA 1" FRE SW Conduit Expansion Joint, Direct Burial.....	65.60	20.21
<i>For Work In Restricted Working Space, Add</i>	15.17	
26 05 33 13-2220 EA 1-1/4" FRE SW Conduit Expansion Joint, Direct Burial	72.92	23.11
<i>For Work In Restricted Working Space, Add</i>	17.33	
26 05 33 13-2221 EA 1-1/2" FRE SW Conduit Expansion Joint, Direct Burial	76.87	24.55
<i>For Work In Restricted Working Space, Add</i>	18.41	
26 05 33 13-2222 EA 2" FRE SW Conduit Expansion Joint, Direct Burial.....	83.43	25.99
<i>For Work In Restricted Working Space, Add</i>	19.50	
26 05 33 13-2223 EA 2-1/2" FRE SW Conduit Expansion Joint, Direct Burial	90.73	27.44
<i>For Work In Restricted Working Space, Add</i>	20.58	
26 05 33 13-2224 EA 3" FRE SW Conduit Expansion Joint, Direct Burial.....	98.75	28.88
<i>For Work In Restricted Working Space, Add</i>	21.66	
26 05 33 13-2225 EA 3-1/2" FRE SW Conduit Expansion Joint, Direct Burial	105.69	30.33
<i>For Work In Restricted Working Space, Add</i>	22.75	
26 05 33 13-2226 EA 4" FRE SW Conduit Expansion Joint, Direct Burial.....	112.62	31.77
<i>For Work In Restricted Working Space, Add</i>	23.83	
26 05 33 13-2227 EA 5" FRE SW Conduit Expansion Joint, Direct Burial.....	124.53	33.22
<i>For Work In Restricted Working Space, Add</i>	24.91	
26 05 33 13-2228 EA 6" FRE SW Conduit Expansion Joint, Direct Burial.....	138.51	34.66
<i>For Work In Restricted Working Space, Add</i>	26.00	
26 05 33 13-2229 FRE SW Conduit O-Ring Expansion Joints <small>(26 05 33 13-2150)</small>		
26 05 33 13-2230 EA 1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	54.96	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2231 EA 3/4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	64.31	17.33
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-2232 EA 1" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	71.74	20.21
<i>For Work In Restricted Working Space, Add</i>	15.17	
26 05 33 13-2233 EA 1-1/4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	79.12	23.11
<i>For Work In Restricted Working Space, Add</i>	17.33	
26 05 33 13-2234 EA 1-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	83.13	24.55
<i>For Work In Restricted Working Space, Add</i>	18.41	
26 05 33 13-2235 EA 2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	90.57	25.99
<i>For Work In Restricted Working Space, Add</i>	19.50	
26 05 33 13-2236 EA 2-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	99.30	27.44
<i>For Work In Restricted Working Space, Add</i>	20.58	
26 05 33 13-2237 EA 3" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	109.04	28.88
<i>For Work In Restricted Working Space, Add</i>	21.66	
26 05 33 13-2238 EA 3-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	117.27	30.33
<i>For Work In Restricted Working Space, Add</i>	22.75	
26 05 33 13-2239 EA 4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	125.49	31.77
<i>For Work In Restricted Working Space, Add</i>	23.83	
26 05 33 13-2240 EA 5" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	140.66	33.22
<i>For Work In Restricted Working Space, Add</i>	24.91	
26 05 33 13-2241 EA 6" FRE SW Conduit O-Ring Expansion Joint, Direct Burial	158.67	34.66
<i>For Work In Restricted Working Space, Add</i>	26.00	
26 05 33 13-2242 FRE SW Conduit Adapters (26 05 33 13-2150)		
26 05 33 13-2243 EA 1/2" FRE SW Conduit Adapter, Direct Burial	54.97	4.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33 13-2244 EA 3/4" FRE SW Conduit Adapter, Direct Burial	61.38	4.62
<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 33 13-2245 EA 1" FRE SW Conduit Adapter, Direct Burial	64.36	5.20
<i>For Work In Restricted Working Space, Add</i>	3.90	
26 05 33 13-2246 EA 1-1/4" FRE SW Conduit Adapter, Direct Burial	67.40	5.78
<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33 13-2247 EA 1-1/2" FRE SW Conduit Adapter, Direct Burial	69.67	6.35
<i>For Work In Restricted Working Space, Add</i>	4.77	
26 05 33 13-2248 EA 2" FRE SW Conduit Adapter, Direct Burial	76.23	6.93
<i>For Work In Restricted Working Space, Add</i>	5.20	
26 05 33 13-2249 EA 2-1/2" FRE SW Conduit Adapter, Direct Burial	90.18	7.79
<i>For Work In Restricted Working Space, Add</i>	5.85	
26 05 33 13-2250 EA 3" FRE SW Conduit Adapter, Direct Burial	106.45	8.66
<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33 13-2251 EA 4" FRE SW Conduit Adapter, Direct Burial	134.87	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
26 05 33 13-2252 EA 5" FRE SW Conduit Adapter, Direct Burial	165.02	13.00
<i>For Work In Restricted Working Space, Add</i>	9.75	
26 05 33 13-2253 EA 6" FRE SW Conduit Adapter, Direct Burial	200.72	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33 13-2254 FRE SW Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-2150)		
26 05 33 13-2255 EA 1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	64.44	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33 13-2256 EA 3/4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	74.81	17.33
<i>For Work In Restricted Working Space, Add</i>	13.00	
26 05 33 13-2257 EA 1" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	89.45	20.21
<i>For Work In Restricted Working Space, Add</i>	15.17	
26 05 33 13-2258 EA 1-1/4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial	110.22	23.11
<i>For Work In Restricted Working Space, Add</i>	17.33	
26 05 33 13-2259 EA 1-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial	133.28	24.55
<i>For Work In Restricted Working Space, Add</i>	18.41	
26 05 33 13-2260 EA 2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	171.56	25.99
<i>For Work In Restricted Working Space, Add</i>	19.50	
26 05 33 13-2261 EA 2-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial	236.29	27.44
<i>For Work In Restricted Working Space, Add</i>	20.58	
26 05 33 13-2262 EA 3" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	280.13	28.88
<i>For Work In Restricted Working Space, Add</i>	21.66	
26 05 33 13-2263 EA 3-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial	331.54	30.33
<i>For Work In Restricted Working Space, Add</i>	22.75	
26 05 33 13-2264 EA 4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	382.95	31.77
<i>For Work In Restricted Working Space, Add</i>	23.83	
26 05 33 13-2265 EA 5" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	443.57	33.22
<i>For Work In Restricted Working Space, Add</i>	24.91	
26 05 33 13-2266 EA 6" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	698.71	34.66
<i>For Work In Restricted Working Space, Add</i>	26.00	
26 05 33 13-2267 FRE SW Type LB, LR Or LL Two Hub Conduit Bodies And Cover (26 05 33 13-2150)		
26 05 33 13-2268 EA 1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	53.97	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-2269 EA 3/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	62.42	13.00
<i>For Work In Restricted Working Space, Add</i>	9.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2270 EA 1" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	81.71	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	
26 05 33 13-2271 EA 1-1/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	99.66	17.33
<i>For Work In Restricted Working Space, Add</i>	13.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-2272 EA 1-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	126.59	21.67
<i>For Work In Restricted Working Space, Add</i>	16.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 05 33 13-2273 EA 2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	172.31	25.99
<i>For Work In Restricted Working Space, Add</i>	19.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.50	
26 05 33 13-2274 EA 2-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	277.05	30.33
<i>For Work In Restricted Working Space, Add</i>	22.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.75	
26 05 33 13-2275 EA 3" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	354.95	34.66
<i>For Work In Restricted Working Space, Add</i>	26.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.00	
26 05 33 13-2276 EA 3-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	426.40	40.44
<i>For Work In Restricted Working Space, Add</i>	30.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.33	
26 05 33 13-2277 EA 4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	497.86	46.21
<i>For Work In Restricted Working Space, Add</i>	34.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.66	
26 05 33 13-2278 EA 5" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	586.08	51.99
<i>For Work In Restricted Working Space, Add</i>	38.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.99	
26 05 33 13-2279 EA 6" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	664.25	57.77
<i>For Work In Restricted Working Space, Add</i>	43.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.33	

26 05 33 13-2280

Spacers (26 05 33 13-1855)

Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1855 for conduit.

26 05 33 13-2281 EA 1" Base Spacers, Average 4" Wide, Direct Burial	7.08
26 05 33 13-2282 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.04
26 05 33 13-2283 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	8.90
26 05 33 13-2284 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	9.60
26 05 33 13-2285 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	8.96
26 05 33 13-2286 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.65
26 05 33 13-2287 EA 2" Base Spacer, Average 4" Wide, Direct Burial	11.17
26 05 33 13-2288 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.38
26 05 33 13-2289 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	12.37
26 05 33 13-2290 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.95
26 05 33 13-2291 EA 3" Base Spacer, Average 4" Wide, Direct Burial	14.17
26 05 33 13-2292 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	13.51
26 05 33 13-2293 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	15.35
26 05 33 13-2294 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.67
26 05 33 13-2295 EA 4" Base Spacer, Average 4" Wide, Direct Burial	15.81
26 05 33 13-2296 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.08
26 05 33 13-2297 EA 5" Base Spacer, Average 4" Wide, Direct Burial.....	17.48
26 05 33 13-2298 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	16.62
26 05 33 13-2299 EA 6" Base Spacer, Average 4" Wide, Direct Burial.....	19.57
26 05 33 13-2300 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	18.86

26 05 33 13-2301

Conduit Field Bending (26 05 33 13-0040)

26 05 33 13-2302

Metallic Conduit Field Bending (26 05 33 13-2301)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2303 EA 1-1/4" Metallic Conduit Field Bending.....	12.68
26 05 33 13-2304 EA 1-1/2" Metallic Conduit Field Bending.....	16.90
26 05 33 13-2305 EA 2" Metallic Conduit Field Bending.....	21.12
26 05 33 13-2306 EA 2-1/2" Metallic Conduit Field Bending.....	29.57
26 05 33 13-2307 EA 3" Metallic Conduit Field Bending.....	38.02
26 05 33 13-2308 EA 3-1/2" Metallic Conduit Field Bending.....	46.47
26 05 33 13-2309 EA 4" Metallic Conduit Field Bending.....	54.92
26 05 33 13-2310 EA 5" Metallic Conduit Field Bending.....	67.59
26 05 33 13-2311 EA 6" Metallic Conduit Field Bending.....	80.27

26 05 33 13-2312

Plastic Conduit Field Bending (26 05 33 13-2301)

Note: For PVC conduits.

26 05 33 13-2313 EA 1" Plastic Conduit Field Bending.....	19.44
26 05 33 13-2314 EA 1-1/4" Plastic Conduit Field Bending.....	21.12
26 05 33 13-2315 EA 1-1/2" Plastic Conduit Field Bending.....	25.34
26 05 33 13-2316 EA 2" Plastic Conduit Field Bending.....	33.80
26 05 33 13-2317 EA 2-1/2" Plastic Conduit Field Bending.....	42.25
26 05 33 13-2318 EA 3" Plastic Conduit Field Bending.....	50.70
26 05 33 13-2319 EA 3-1/2" Plastic Conduit Field Bending.....	59.14
26 05 33 13-2320 EA 4" Plastic Conduit Field Bending.....	67.59

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2321 EA 5" Plastic Conduit Field Bending.....	76.04	
26 05 33 13-2322 EA 6" Plastic Conduit Field Bending.....	84.49	
26 05 33 13-2323 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0040)		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2324 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	24.71	
For Work In Restricted Working Space, Add	7.41	
26 05 33 13-2325 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	27.18	
For Work In Restricted Working Space, Add	8.15	
26 05 33 13-2326 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	29.65	
For Work In Restricted Working Space, Add	8.90	
26 05 33 13-2327 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	32.13	
For Work In Restricted Working Space, Add	9.64	
26 05 33 13-2328 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	33.77	
For Work In Restricted Working Space, Add	10.13	
26 05 33 13-2329 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	35.42	
For Work In Restricted Working Space, Add	10.63	
26 05 33 13-2330 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	37.07	
For Work In Restricted Working Space, Add	11.12	
26 05 33 13-2331 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	38.71	
For Work In Restricted Working Space, Add	11.61	
26 05 33 13-2332 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	39.53	
For Work In Restricted Working Space, Add	11.86	
26 05 33 13-2333 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	40.36	
For Work In Restricted Working Space, Add	12.11	
26 05 33 13-2334 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	42.00	
For Work In Restricted Working Space, Add	12.60	
26 05 33 13-2335 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	43.65	
For Work In Restricted Working Space, Add	13.10	
26 05 33 13-2336 Flexible Conduit (26 05 33 13-0040)		
26 05 33 13-2337 Liquid Tight Flexible Conduit And Connectors (26 05 33 13-2336)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2338 Liquid Tight Flexible Conduit (26 05 33 13-2337)		
26 05 33 13-2339 LF 3/8" Liquid Tight Flex Conduit.....	2.83	0.90
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.34	
For Work In Restricted Working Space, Add	0.68	
26 05 33 13-2340 LF 1/2" Liquid Tight Flex Conduit.....	2.91	0.90
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.34	
For Work In Restricted Working Space, Add	0.68	
26 05 33 13-2341 LF 3/4" Liquid Tight Flex Conduit.....	3.90	1.20
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.45	
For Work In Restricted Working Space, Add	0.90	
26 05 33 13-2342 LF 1" Liquid Tight Flex Conduit.....	4.35	1.20
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.45	
For Work In Restricted Working Space, Add	0.90	
26 05 33 13-2343 LF 1-1/4" Liquid Tight Flex Conduit.....	5.59	1.50
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.13	
26 05 33 13-2344 LF 1-1/2" Liquid Tight Flex Conduit.....	7.08	1.80
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.35	
26 05 33 13-2345 LF 2" Liquid Tight Flex Conduit.....	9.34	2.41
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
26 05 33 13-2346 LF 2-1/2" Liquid Tight Flex Conduit.....	12.25	2.71
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-2347 LF 3" Liquid Tight Flex Conduit.....	17.49	3.31
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
26 05 33 13-2348 LF 4" Liquid Tight Flex Conduit.....	23.69	4.21
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
For Work In Restricted Working Space, Add	3.16	
26 05 33 13-2349 Straight Connector (26 05 33 13-2337)		
26 05 33 13-2350 EA 3/8" Straight Liquid Tight Connector.....	7.65	2.41
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2351 EA 1/2" Straight Liquid Tight Connector.....	7.65	2.41
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2352 EA 3/4" Straight Liquid Tight Connector.....	9.10	2.71
For Work In Restricted Working Space, Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.03	
26 05 33 13-2353 EA 1" Straight Liquid Tight Connector.....	11.68	3.01
For Work In Restricted Working Space, Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2354 EA 1-1/4" Straight Liquid Tight Connector.....	14.56	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2355 EA 1-1/2" Straight Liquid Tight Connector.....	17.99	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2356 EA 2" Straight Liquid Tight Connector.....	24.20	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2357 EA 2-1/2" Straight Liquid Tight Connector.....	75.58	5.41
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2358 EA 3" Straight Liquid Tight Connector.....	96.46	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2359 EA 4" Straight Liquid Tight Connector.....	119.17	8.42
For Work In Restricted Working Space, Add	6.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-2360 90 Degree Angle Connector (26 05 33 13-2337)		
26 05 33 13-2361 EA 3/8" 90 Degree Angle Liquid Tight Connector.....	10.99	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2362 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	11.34	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2363 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2364 EA 1" 90 Degree Angle Liquid Tight Connector.....	17.24	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2365 EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	21.09	4.51
For Work In Restricted Working Space, Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-2366 EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	25.06	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-2367 EA 2" 90 Degree Angle Liquid Tight Connector.....	32.40	5.41
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2368 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	104.14	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2369 EA 3" 90 Degree Angle Liquid Tight Connector.....	122.94	6.62
For Work In Restricted Working Space, Add	4.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-2370 EA 4" 90 Degree Angle Liquid Tight Connector.....	171.14	10.53
For Work In Restricted Working Space, Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-2371 45 Degree Angle Connector (26 05 33 13-2337)		
26 05 33 13-2372 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	10.87	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2373 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	10.95	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2374 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2375 EA 1" 45 Degree Angle Liquid Tight Connector.....	18.19	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2376 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	20.47	4.51
For Work In Restricted Working Space, Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-2377 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	22.75	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-2378 Flexible Metallic Conduit And Connectors (26 05 33 13-2336)		
26 05 33 13-2379 Flexible Steel Conduit (26 05 33 13-2378)		
26 05 33 13-2380 LF 3/8" Flexible Metallic Conduit.....	2.95	0.98
For Flexible Aluminum Conduit, Add	0.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.36	
For Installation In Metal Stud Wall, Add	0.24	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.60	
For Work In Restricted Working Space, Add	0.72	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2381	LF		1/2" Flexible Metallic Conduit.....	3.06	0.98
			<i>For Flexible Aluminum Conduit, Add</i>	0.10	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.37	
			<i>For Installation In Metal Stud Wall, Add</i>	0.25	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2382	LF		3/4" Flexible Metallic Conduit.....	3.49	1.31
			<i>For Flexible Aluminum Conduit, Add</i>	0.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.40	
			<i>For Installation In Metal Stud Wall, Add</i>	0.27	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
26 05 33 13-2383	LF		1" Flexible Metallic Conduit.....	4.39	1.31
			<i>For Flexible Aluminum Conduit, Add</i>	0.25	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.43	
			<i>For Installation In Metal Stud Wall, Add</i>	0.29	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 33 13-2384	LF		1-1/4" Flexible Metallic Conduit.....	5.01	1.64
			<i>For Flexible Aluminum Conduit, Add</i>	0.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.46	
			<i>For Installation In Metal Stud Wall, Add</i>	0.31	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2385	LF		1-1/2" Flexible Metallic Conduit.....	6.61	1.97
			<i>For Flexible Aluminum Conduit, Add</i>	0.57	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
			<i>For Installation In Metal Stud Wall, Add</i>	0.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-2386	LF		2" Flexible Metallic Conduit.....	7.51	2.64
			<i>For Flexible Aluminum Conduit, Add</i>	0.70	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.49	
			<i>For Installation In Metal Stud Wall, Add</i>	0.33	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2387	LF		2-1/2" Flexible Steel Conduit.....	9.22	2.96
			<i>For Flexible Aluminum Conduit, Add</i>	0.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
			<i>For Installation In Metal Stud Wall, Add</i>	0.41	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33 13-2388	LF		3" Flexible Metallic Conduit.....	13.80	3.62
			<i>For Flexible Aluminum Conduit, Add</i>	1.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
			<i>For Installation In Metal Stud Wall, Add</i>	0.49	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-2389	LF		3-1/2" Flexible Metallic Conduit.....	16.93	3.95
			<i>For Flexible Aluminum Conduit, Add</i>	1.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.86	
			<i>For Installation In Metal Stud Wall, Add</i>	0.58	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 33 13-2390	LF		4" Flexible Metallic Conduit.....	19.47	4.60
			<i>For Flexible Aluminum Conduit, Add</i>	2.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.99	
			<i>For Installation In Metal Stud Wall, Add</i>	0.66	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 33 13-2391			Plain Squeeze Type Straight Connector <small>(26 05 33 13-2378)</small>		
26 05 33 13-2392	EA		3/8" Flexible Straight Connectors, Plain.....	5.06	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33 13-2393	EA		1/2" Flexible Straight Connectors, Plain.....	6.27	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33 13-2394	EA		3/4" Flexible Straight Connectors, Plain.....	7.21	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2395	EA		1" Flexible Straight Connectors, Plain.....	11.57	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2396	EA		1-1/4" Flexible Straight Connectors, Plain.....	16.40	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2397	EA		1-1/2" Flexible Straight Connectors, Plain.....	21.63	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2398	EA		2" Flexible Straight Connectors, Plain.....	28.49	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2399 EA 2-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.12 4.32 4.32	6.91
26 05 33 13-2400 EA 3" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.44 4.94 4.94	7.57
26 05 33 13-2401 EA 3-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.63 5.55 5.55	8.88
26 05 33 13-2402 EA 4" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.79 6.17 6.17	10.85
26 05 33 13-2403 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2378)</small>		
26 05 33 13-2404 EA 1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01 1.23 1.23	2.96
26 05 33 13-2405 EA 3/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18 1.48 1.48	3.62
26 05 33 13-2406 EA 1" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89 1.97 1.97	3.95
26 05 33 13-2407 EA 1-1/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.84 2.47 2.47	4.60
26 05 33 13-2408 EA 1-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.97 3.08 3.08	4.93
26 05 33 13-2409 EA 2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.16 3.70 3.70	5.59
26 05 33 13-2410 EA 2-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.52 4.32 4.32	6.91
26 05 33 13-2411 EA 3" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.78 4.94 4.94	7.57
26 05 33 13-2412 EA 3-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.44 5.55 5.55	8.88
26 05 33 13-2413 EA 4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.61 6.17 6.17	10.85
26 05 33 13-2414 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2378)</small>		
26 05 33 13-2415 EA 3/8" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11 1.48 1.48	3.29
26 05 33 13-2416 EA 1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40 1.73 1.73	3.62
26 05 33 13-2417 EA 3/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.28 1.97 1.97	3.95
26 05 33 13-2418 EA 1" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.24 2.47 2.47	4.60
26 05 33 13-2419 EA 1-1/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.98 2.96 2.96	4.93
26 05 33 13-2420 EA 1-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26 3.70 3.70	5.75
26 05 33 13-2421 EA 2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.98 4.19 4.19	7.08
26 05 33 13-2422 EA 2-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.89 4.94 4.94	7.57
26 05 33 13-2423 EA 3" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.11 5.55 5.55	8.88
26 05 33 13-2424 EA 3-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.48 6.17 6.17	10.85
26 05 33 13-2425 EA 4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	551.52 7.40 7.40	12.34
26 05 33 13-2426 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2378)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2427	EA	1/2" Flexible 90 Degree Connector, Insulated.....	10.43	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2428	EA	3/4" Flexible 90 Degree Connector, Insulated.....	13.56	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2429	EA	1" Flexible 90 Degree Connector, Insulated.....	17.24	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33	13-2430	EA	1-1/4" Flexible 90 Degree Connector, Insulated	31.50	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33	13-2431	EA	1-1/2" Flexible 90 Degree Connector, Insulated	50.48	5.75
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33	13-2432	EA	2" Flexible 90 Degree Connector, Insulated.....	64.34	7.08
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33	13-2433	EA	2-1/2" Flexible 90 Degree Connector, Insulated	154.66	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 33	13-2434	EA	3" Flexible 90 Degree Connector, Insulated.....	190.36	8.88
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33	13-2435	EA	3-1/2" Flexible 90 Degree Connector, Insulated	513.57	10.85
			<i>For Work In Restricted Working Space, Add</i>	6.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33	13-2436	EA	4" Flexible 90 Degree Connector, Insulated.....	766.34	12.34
			<i>For Work In Restricted Working Space, Add</i>	7.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 05 33	13-2437		Plain Squeeze Type 45 Degree Connector (26 05 33 13-2378)		
26 05 33	13-2438	EA	3/8" Flexible 45 Degree Connector, Plain	7.94	3.29
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2439	EA	1/2" Flexible 45 Degree Connector, Plain	10.73	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2440	EA	3/4" Flexible 45 Degree Connector, Plain	13.77	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2441		Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2378)		
26 05 33	13-2442	EA	3/8" Flexible 45 Degree Connector, Insulated.....	8.52	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2443	EA	1/2" Flexible 45 Degree Connector, Insulated.....	11.68	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2444	EA	3/4" Flexible 45 Degree Connector, Insulated.....	15.11	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2445		Plain Screw-In Connector (26 05 33 13-2378)		
26 05 33	13-2446	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	4.20	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33	13-2447	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	4.53	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33	13-2448	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	5.78	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2449	EA	1" Flexible Steel Screw-in Connector, Plain.....	8.28	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2450	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	12.21	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33	13-2451	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	14.92	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33	13-2452	EA	2" Flexible Steel Screw-in Connector, Plain.....	21.99	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33	13-2453		Insulated Screw-In Connector (26 05 33 13-2378)		
26 05 33	13-2454	EA	3/8" Flexible Steel Screw-in Connector, Insulated.....	4.45	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2455 EA 1/2" Flexible Steel Screw-in Connector, Insulated.....	4.72	2.96
<i>For Work In Restricted Working Space, Add</i>	1.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33 13-2456 EA 3/4" Flexible Steel Screw-in Connector, Insulated.....	6.28	3.62
<i>For Work In Restricted Working Space, Add</i>	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2457 EA 1" Flexible Steel Screw-in Connector, Insulated.....	9.05	3.95
<i>For Work In Restricted Working Space, Add</i>	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2458 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated.....	13.31	4.60
<i>For Work In Restricted Working Space, Add</i>	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2459 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated.....	16.23	4.93
<i>For Work In Restricted Working Space, Add</i>	3.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2460 EA 2" Flexible Steel Screw-in Connector, Insulated.....	23.15	5.59
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2461 Screw-In Coupling <small>(26 05 33 13-2378)</small>		
26 05 33 13-2462 EA 1/2" Flexible Steel Screw-in Coupling.....	5.01	2.96
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33 13-2463 EA 3/4" Flexible Steel Screw-in Coupling.....	6.58	3.62
<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-2464 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2378)</small>		
26 05 33 13-2465 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	6.77	2.64
<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33 13-2466 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	9.22	2.96
<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33 13-2467 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	12.20	3.62
<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-2468 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2378)</small>		
26 05 33 13-2469 EA 3/8" Flexible Straight Connector, Die Cast.....	4.36	2.64
<i>For Work In Restricted Working Space, Add</i>	1.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33 13-2470 EA 1/2" Flexible Straight Connector, Die Cast.....	4.93	2.96
<i>For Work In Restricted Working Space, Add</i>	1.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33 13-2471 EA 3/4" Flexible Straight Connector, Die Cast.....	6.12	3.62
<i>For Work In Restricted Working Space, Add</i>	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2472 EA 1" Flexible Straight Connector, Die Cast.....	9.22	3.95
<i>For Work In Restricted Working Space, Add</i>	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2473 EA 1-1/4" Flexible Straight Connector, Die Cast.....	12.44	4.60
<i>For Work In Restricted Working Space, Add</i>	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2474 EA 1-1/2" Flexible Straight Connector, Die Cast.....	16.90	4.93
<i>For Work In Restricted Working Space, Add</i>	3.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2475 EA 2" Flexible Straight Connector, Die Cast.....	21.88	5.59
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2476 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-2378)</small>		
26 05 33 13-2477 EA 3/8" Flexible 90 Degree Connector, Die Cast.....	5.77	3.29
<i>For Work In Restricted Working Space, Add</i>	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2478 EA 1/2" Flexible 90 Degree Connector, Die Cast.....	7.15	3.62
<i>For Work In Restricted Working Space, Add</i>	1.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-2479 EA 3/4" Flexible 90 Degree Connector, Die Cast.....	8.69	3.95
<i>For Work In Restricted Working Space, Add</i>	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2480 EA 1" Flexible 90 Degree Connector, Die Cast.....	13.82	4.60
<i>For Work In Restricted Working Space, Add</i>	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2481 EA 1-1/4" Flexible 90 Degree Connector, Die Cast.....	19.63	4.93
<i>For Work In Restricted Working Space, Add</i>	2.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-2482 EA 1-1/2" Flexible 90 Degree Connector, Die Cast.....	30.58	5.75
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2483 EA 2" Flexible 90 Degree Connector, Die Cast.....	36.57	7.08
<i>For Work In Restricted Working Space, Add</i>	4.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	

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26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2484		Non-Metallic Liquid Tight Flexible Conduit And Connectors (26 05 33 13-2336) Note: Carlon - CARFLEX.		
26 05 33	13-2485		Non-Metallic Liquid Tight Flexible Conduit (26 05 33 13-2484)		
26 05 33	13-2486	LF	3/8" Non-Metallic Liquid Tight Flex Conduit .....2.91	0.90	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33	13-2487	LF	1/2" Non-Metallic Liquid Tight Flex Conduit .....2.96	0.90	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33	13-2488	LF	3/4" Non-Metallic Liquid Tight Flex Conduit .....3.98	1.20	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33	13-2489	LF	1" Non-Metallic Liquid Tight Flex Conduit .....4.98	1.20	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33	13-2490	LF	1-1/4" Non-Metallic Liquid Tight Flex Conduit .....6.32	1.50	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33	13-2491	LF	1-1/2" Non-Metallic Liquid Tight Flex Conduit .....8.07	1.80	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33	13-2492	LF	2" Non-Metallic Liquid Tight Flex Conduit .....10.36	2.41	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33	13-2493		Straight Connector (26 05 33 13-2484)		
26 05 33	13-2494	EA	3/8" Non-Metallic Straight Connector .....8.41	2.41	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-2495	EA	1/2" Non-Metallic Straight Connector .....8.41	2.41	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-2496	EA	3/4" Non-Metallic Straight Connector .....10.31	2.71	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33	13-2497	EA	1" Non-Metallic Straight Connector .....12.84	3.01	
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33	13-2498	EA	1-1/4" Non-Metallic Straight Connector .....17.82	3.31	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2499	EA	1-1/2" Non-Metallic Straight Connector .....22.32	3.61	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33	13-2500	EA	2" Non-Metallic Straight Connector .....34.92	4.21	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33	13-2501		90 Degree Angle Connector (26 05 33 13-2484)		
26 05 33	13-2502	EA	3/8" Non-Metallic 90 Degree Angle Connector .....12.16	3.31	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2503	EA	1/2" Non-Metallic 90 Degree Angle Connector .....12.16	3.31	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2504	EA	3/4" Non-Metallic 90 Degree Angle Connector .....15.01	3.61	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33	13-2505	EA	1" Non-Metallic 90 Degree Angle Connector .....21.34	4.21	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33	13-2506	EA	1-1/4" Non-Metallic 90 Degree Angle Connector .....22.04	4.51	
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-2507	EA	1-1/2" Non-Metallic 90 Degree Angle Connector .....35.10	4.81	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-2508	EA	2" Non-Metallic 90 Degree Angle Connector .....47.29	5.41	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33	13-2509		45 Degree Angle Connector (26 05 33 13-2484)		
26 05 33	13-2510	EA	3/8" Non-Metallic 45 Degree Angle Connector .....12.16	3.31	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2511	EA	1/2" Non-Metallic 45 Degree Angle Connector .....12.16	3.31	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2512	EA	3/4" Non-Metallic 45 Degree Angle Connector .....15.01	3.61	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33	13-2513	EA	1" Non-Metallic 45 Degree Angle Connector .....21.34	4.21	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33	13-2514	EA	1-1/4" Non-Metallic 45 Degree Angle Connector .....22.04	4.51	
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2515 EA 1-1/2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i>	35.10 3.61	4.81
26 05 33 13-2516 EA 2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i>	47.29 4.06	5.41
26 05 33 13-2517 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2336) Note: Carlon - FLEX-PLUS.		
26 05 33 13-2518 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2517)		
26 05 33 13-2519 LF 1/2" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	2.73 0.74	0.98
26 05 33 13-2520 LF 3/4" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.65 0.99	1.31
26 05 33 13-2521 LF 1" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.87 0.99	1.31
26 05 33 13-2522 Terminal Adapter (26 05 33 13-2517)		
26 05 33 13-2523 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	7.00 1.97	2.64
26 05 33 13-2524 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	8.18 2.22	2.96
26 05 33 13-2525 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	9.22 2.47	3.29
26 05 33 13-2526 Coupling (26 05 33 13-2517)		
26 05 33 13-2527 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	6.94 1.97	2.64
26 05 33 13-2528 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	7.88 2.22	2.96
26 05 33 13-2529 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	8.94 2.47	3.29
26 05 33 16 Boxes For Electrical Systems (26 05 33) See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16) Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0108 for steel box/switch assemblies.		
26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2", 4" Square Steel Box <i>For Stud Bracket, Add</i>	26.47 0.44	12.34
26 05 33 16-0004 EA 2-1/8", 4" Square Steel Box <i>For Stud Bracket, Add</i>	27.28 0.79	12.34
26 05 33 16-0005 EA 3-1/2", 4" Square Steel Box <i>For Stud Bracket, Add</i>	30.09 0.86	12.34
26 05 33 16-0006 EA 1-1/2", 4" Square Steel Extension Ring <i>For Stud Bracket, Add</i>	20.45 17.61	8.22
26 05 33 16-0007 EA 2-1/8", 4" Square Steel Extension Ring <i>For Stud Bracket, Add</i>	17.61 9.08	8.22
26 05 33 16-0008 EA 1/2", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.08 9.21	4.11
26 05 33 16-0009 EA 5/8", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.21 9.30	4.11
26 05 33 16-0010 EA 3/4", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.30 9.60	4.11
26 05 33 16-0011 EA 1", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.60 9.69	4.11
26 05 33 16-0012 EA 1-1/4", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.69 10.66	4.11
26 05 33 16-0013 EA 1-1/2", 1 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	10.66 9.44	4.11
26 05 33 16-0014 EA 1/2", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.44 9.54	4.11
26 05 33 16-0015 EA 5/8", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.54 9.65	4.11
26 05 33 16-0016 EA 3/4", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	9.65 10.65	4.11
26 05 33 16-0017 EA 1", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	10.65 10.85	4.11
26 05 33 16-0018 EA 1-1/4", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	10.85 12.11	4.11
26 05 33 16-0019 EA 1-1/2", 2 Gang, 4" Square Steel Mud Ring <i>For Stud Bracket, Add</i>	12.11 9.93	4.11
26 05 33 16-0020 EA 3/4", Fixture Cover, 4" Square Mud Rings <i>For Stud Bracket, Add</i>	9.93 10.73	4.11
26 05 33 16-0021 EA 1", Fixture Cover, 4" Square Mud Rings <i>For Stud Bracket, Add</i>	10.73 9.43	4.11
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.43 9.50	4.11
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.50 9.41	4.11
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.41 9.63	4.11
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.63 9.80	4.11
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.80 12.03	4.11
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	12.03 9.77	4.11
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.77 12.03	4.11
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	12.03 9.77	4.11
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	9.77 10.29	4.11
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	10.29 12.03	4.11
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	12.03 12.03	4.11
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover <i>For Stud Bracket, Add</i>	12.03 12.03	4.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	8.80	4.11
26 05 33	16-0035		4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33	16-0036	EA	1-1/2", 4-11/16" Square Steel Box.....	29.49	12.34
26 05 33	16-0037	EA	2-1/8", 4-11/16" Square Steel Box.....	27.64	12.34
			<i>For Stud Bracket, Add</i>	<i>0.42</i>	
26 05 33	16-0038	EA	3-1/4", 4-11/16" Square Steel Box.....	36.92	12.34
26 05 33	16-0039	EA	1-1/2", 4-11/16" Square Extension Ring.....	21.22	8.22
26 05 33	16-0040	EA	2-1/8", 4-11/16" Square Extension Ring.....	21.67	8.22
26 05 33	16-0041	EA	1/2", 1 Gang, 4-11/16" Square Steel Mud Ring.....	10.92	4.11
26 05 33	16-0042	EA	5/8", 1 Gang, 4-11/16" Square Steel Mud Ring.....	10.94	4.11
26 05 33	16-0043	EA	3/4", 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.73	4.11
26 05 33	16-0044	EA	1", 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.42	4.11
26 05 33	16-0045	EA	1-1/4", 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.35	4.11
26 05 33	16-0046	EA	1-1/2", 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.62	4.11
26 05 33	16-0047	EA	1/2", 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.55	4.11
26 05 33	16-0048	EA	5/8", 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.72	4.11
26 05 33	16-0049	EA	3/4", 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.73	4.11
26 05 33	16-0050	EA	1", 2 Gang, 4-11/16" Square Steel Mud Ring.....	12.89	4.11
26 05 33	16-0051	EA	1-1/4", 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.13	4.11
26 05 33	16-0052	EA	1-1/2", 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.94	4.11
26 05 33	16-0053	EA	1/2", Fixture Cover, 4-11/16" Square Steel Mud Ring.....	11.40	4.11
26 05 33	16-0054	EA	5/8", Fixture Cover, 4-11/16" Square Steel Mud Ring.....	11.48	4.11
26 05 33	16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	13.65	4.11
26 05 33	16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	14.26	4.11
26 05 33	16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	13.47	4.11
26 05 33	16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	12.81	4.11
26 05 33	16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	15.03	4.11
26 05 33	16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.26	4.11
26 05 33	16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.26	4.11
26 05 33	16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.26	4.11
26 05 33	16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	9.29	4.11
26 05 33	16-0064		Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33	16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	13.19	6.17
26 05 33	16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	9.51	4.12
26 05 33	16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	15.16	6.17
26 05 33	16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	16.17	6.17
26 05 33	16-0069		4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33	16-0070	EA	1-1/2", 4" Steel Octagon Box.....	22.03	10.27
			<i>For Stud Bracket, Add</i>	<i>1.07</i>	
26 05 33	16-0071	EA	2-1/8", 4" Steel Octagon Box.....	22.75	10.27
26 05 33	16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	8.75	4.11
26 05 33	16-0073		4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
			Note: Placed in concrete slabs or walls.		
26 05 33	16-0074	EA	2", 4" Steel Octagonal Concrete Ring.....	36.12	
26 05 33	16-0075	EA	2-1/2", 4" Steel Octagonal Concrete Ring.....	38.30	
26 05 33	16-0076	EA	3", 4" Steel Octagonal Concrete Ring.....	40.08	
26 05 33	16-0077	EA	3-1/2", 4" Steel Octagonal Concrete Ring.....	41.82	
26 05 33	16-0078	EA	4", 4" Steel Octagonal Concrete Ring.....	45.43	
26 05 33	16-0079	EA	5", 4" Steel Octagonal Concrete Ring.....	49.16	
26 05 33	16-0080	EA	6", 4" Steel Octagonal Concrete Ring.....	52.12	
26 05 33	16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover.....	9.73	4.11
26 05 33	16-0082		4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33	16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	32.15	10.27
26 05 33	16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	35.26	11.10
26 05 33	16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	42.15	12.34
26 05 33	16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	54.39	13.57
26 05 33	16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	79.38	14.80
26 05 33	16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	43.18	10.27
26 05 33	16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	47.02	11.10
26 05 33	16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	62.00	12.34
26 05 33	16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	79.08	13.57
26 05 33	16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	128.18	14.80
26 05 33	16-0093	EA	2 Device, Gang Box Mud Ring.....	13.96	4.11
26 05 33	16-0094	EA	3 Device, Gang Box Mud Ring.....	14.14	4.11
26 05 33	16-0095	EA	4 Device, Gang Box Mud Ring.....	16.27	4.11
26 05 33	16-0096	EA	5 Device, Gang Box Mud Ring.....	19.92	4.11
26 05 33	16-0097	EA	6 Device, Gang Box Mud Ring.....	27.94	4.11
26 05 33	16-0098	EA	2 Device, Gang Box Flat Cover.....	12.13	4.11
26 05 33	16-0099	EA	3 Device, Gang Box Flat Cover.....	14.12	4.11
26 05 33	16-0100	EA	4 Device, Gang Box Flat Cover.....	16.76	4.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover	20.13	4.11
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover	28.51	4.11
26 05 33 16-0103 Steel Switch Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0104 EA 2-1/2", 3" x 2", Stud Bracket, Steel Switch Box.....	23.41	10.27
26 05 33 16-0105 EA 2-3/4", 3" x 2", Stud Bracket, Steel Switch Box.....	23.72	10.27
26 05 33 16-0106 EA 3-1/2", 3" x 2", Stud Bracket, Steel Switch Box.....	25.31	10.27
26 05 33 16-0107 EA 2-1/2", 2 Device, Stud Bracket, Steel Box.....	28.89	10.27
26 05 33 16-0108 EA 2-1/2", 3 Device, Stud Bracket, Steel Box.....	29.20	10.27
26 05 33 16-0109 EA 2-1/2", 4 Device, Stud Bracket, Steel Box.....	34.05	10.27
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2", 4" x 2" Steel Handy Box	21.95	10.27
<i>For Stud Bracket, Add</i>	<i>1.72</i>	
26 05 33 16-0112 EA 1-7/8", 4" x 2" Steel Handy Box	22.28	10.27
<i>For Stud Bracket, Add</i>	<i>0.74</i>	
26 05 33 16-0113 EA 2-1/8", 4" x 2" Steel Handy Box	23.02	10.27
<i>For Stud Bracket, Add</i>	<i>1.01</i>	
26 05 33 16-0114 EA 1-1/2", 4" x 2" Steel Handy Box Extension Ring	14.34	6.16
26 05 33 16-0115 EA 1-7/8", 4" x 2" Steel Handy Box Extension Ring	14.01	6.16
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	4.83	2.05
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.89	2.05
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.58	2.05
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.61	2.05
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.23	2.05
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.61	2.05
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	32.65	14.39
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	36.27	15.21
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	41.29	16.45
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	46.84	18.09
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
<i>Note: For flush or surface mount.</i>		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
<i>See CSI section 26 27 26 00-0237 for box covers.</i>		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
<i>Note: Up to 2" deep boxes.</i>		
26 05 33 16-0130 EA 1/2", Type FS, Shallow, Single Gang Cast Iron Alloy Box	70.43	24.67
<i>Note: One hub.</i>		
26 05 33 16-0131 EA 3/4", Type FS, Shallow, Single Gang Cast Iron Alloy Box	75.90	28.77
<i>Note: One hub.</i>		
26 05 33 16-0132 EA 1", Type FS, Shallow, Single Gang Cast Iron Alloy Box	89.38	34.95
<i>Note: One hub.</i>		
26 05 33 16-0133 EA 1/2", Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	88.05	32.89
<i>Note: Two hub.</i>		
26 05 33 16-0134 EA 3/4", Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	112.53	39.06
<i>Note: Two hub.</i>		
26 05 33 16-0135 EA 1/2", Type FSL, Shallow, Single Gang Cast Iron Alloy Box	87.69	32.89
<i>Note: Two hub.</i>		
26 05 33 16-0136 EA 3/4", Type FSL, Shallow, Single Gang Cast Iron Alloy Box	105.45	39.06
<i>Note: Two hubs.</i>		
26 05 33 16-0137 EA 1/2", Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	89.97	32.89
<i>Note: Two hubs.</i>		
26 05 33 16-0138 EA 3/4", Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	105.48	39.06
<i>Note: Two hubs.</i>		
26 05 33 16-0139 EA 1/2", Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	87.69	32.89
<i>Note: Two hubs.</i>		
26 05 33 16-0140 EA 3/4", Type FSS, Shallow, Single Gang Cast Iron Alloy Box	102.67	39.06
<i>Note: Two hubs.</i>		
26 05 33 16-0141 EA 1/2", Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	104.51	41.11
<i>Note: Three hubs.</i>		
26 05 33 16-0142 EA 3/4", Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	123.69	49.33
<i>Note: Three hubs.</i>		
26 05 33 16-0143 EA 1/2", Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	108.88	41.11
<i>Note: Three hubs.</i>		
26 05 33 16-0144 EA 3/4", Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	140.35	49.33
<i>Note: Three hubs.</i>		
26 05 33 16-0145 EA 1/2", Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	111.73	41.11
<i>Note: Three hubs.</i>		
26 05 33 16-0146 EA 3/4", Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	133.50	49.33
<i>Note: Three hubs.</i>		
26 05 33 16-0147 EA 1/2", Type FST, Shallow, Single Gang Cast Iron Alloy Box	104.14	41.11
<i>Note: Three hubs.</i>		
26 05 33 16-0148 EA 3/4", Type FST, Shallow, Single Gang Cast Iron Alloy Box	135.43	49.33
<i>Note: Three hubs.</i>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0149 EA 1/2", Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	132.71	49.33
26 05 33 16-0150 EA 3/4", Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	160.11	59.61
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	73.65	24.67
26 05 33 16-0153 EA 3/4", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	84.83	28.77
26 05 33 16-0154 EA 1", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	99.68	34.95
26 05 33 16-0155 EA 1/2", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	93.93	32.89
26 05 33 16-0156 EA 3/4", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	108.48	39.06
26 05 33 16-0157 EA 1", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	130.38	47.28
26 05 33 16-0158 EA 3/4", Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	116.50	39.06
26 05 33 16-0159 EA 3/4", Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	149.85	49.33
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	84.67	26.72
26 05 33 16-0162 EA 3/4", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	93.84	30.83
26 05 33 16-0163 EA 1", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	109.04	37.00
26 05 33 16-0164 EA 1/2", Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	102.65	34.95
26 05 33 16-0165 EA 3/4", Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	116.64	41.11
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2", Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	94.33	26.72
26 05 33 16-0168 EA 3/4", Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	102.92	30.83
26 05 33 16-0169 EA 1/2", Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	117.19	34.95
26 05 33 16-0170 EA 3/4", Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	132.00	41.11
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0237 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2", Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	62.21	20.56
26 05 33 16-0174 EA 3/4", Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	71.27	24.67
26 05 33 16-0175 EA 1", Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	79.31	30.83
26 05 33 16-0176 EA 1/2", Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	58.46	20.56
26 05 33 16-0177 EA 3/4", Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	73.91	24.67
26 05 33 16-0178 EA 1/2", Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	79.02	28.77
26 05 33 16-0179 EA 3/4", Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	94.94	34.95
26 05 33 16-0180 EA 1", Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	119.11	43.17
26 05 33 16-0181 EA 1/2", Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	85.54	28.77
26 05 33 16-0182 EA 3/4", Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	91.77	34.95
26 05 33 16-0183 EA 1/2", Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	81.83	28.77
26 05 33 16-0184 EA 3/4", Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	93.98	34.95
26 05 33 16-0185 EA 1/2", Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	79.44	28.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0186 EA 3/4", Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	93.98	34.95
26 05 33 16-0187 EA 1/2", Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	73.91	28.77
26 05 33 16-0188 EA 3/4", Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	99.86	34.95
26 05 33 16-0189 EA 1/2", Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	94.17	37.00
26 05 33 16-0190 EA 3/4", Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	114.42	45.22
26 05 33 16-0191 EA 1/2", Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.90	37.00
26 05 33 16-0192 EA 3/4", Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	134.27	45.22
26 05 33 16-0193 EA 1/2", Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.42	37.00
26 05 33 16-0194 EA 3/4", Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	121.97	45.22
26 05 33 16-0195 EA 3/4", Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	123.67	45.22
26 05 33 16-0196 EA 1/2", Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	121.22	45.22
26 05 33 16-0197 EA 3/4", Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	147.98	55.51
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	68.86	20.56
26 05 33 16-0200 EA 3/4", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	82.49	24.67
26 05 33 16-0201 EA 1", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	94.73	30.83
26 05 33 16-0202 EA 3/4", Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	88.56	24.67
26 05 33 16-0203 EA 1/2", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	87.62	28.77
26 05 33 16-0204 EA 3/4", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	105.50	34.95
26 05 33 16-0205 EA 1", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.12	43.17
26 05 33 16-0206 EA 3/4", Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	106.90	34.95
26 05 33 16-0207 EA 3/4", Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	130.83	45.22
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	82.27	22.61
26 05 33 16-0210 EA 3/4", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	94.25	26.72
26 05 33 16-0211 EA 1", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	101.34	32.89
26 05 33 16-0212 EA 1/2", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	102.92	30.83
26 05 33 16-0213 EA 3/4", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.15	37.00
26 05 33 16-0214 EA 1", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	129.86	45.22
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2", Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	82.20	22.61
26 05 33 16-0217 EA 3/4", Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	95.16	26.72
26 05 33 16-0218 EA 1/2", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.00	30.83
26 05 33 16-0219 EA 3/4", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	119.05	37.00
26 05 33 16-0220 EA 1/2", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.00	30.83
26 05 33 16-0221 EA 3/4", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	119.05	37.00
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2", Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	110.22	32.89

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0224 EA 3/4", Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	123.74	39.06
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4", Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	125.39	28.77
26 05 33 16-0227 EA 1", Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	139.85	34.95
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	129.84	32.89
26 05 33 16-0230 EA 3/4", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	160.85	37.00
26 05 33 16-0231 EA 1", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	147.29	41.11
26 05 33 16-0232 EA 1/2", Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	143.90	37.00
26 05 33 16-0233 EA 3/4", 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	175.36	41.11
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0237 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	41.75	17.27
26 05 33 16-0237 EA 3/4", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	47.72	20.15
26 05 33 16-0238 EA 1", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	54.46	24.47
26 05 33 16-0239 EA 1/2", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	53.47	23.02
26 05 33 16-0240 EA 3/4", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	62.85	27.34
26 05 33 16-0241 EA 1", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	76.23	33.09
26 05 33 16-0242 EA 1/2", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	53.66	23.02
26 05 33 16-0243 EA 3/4", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	62.34	27.34
26 05 33 16-0244 EA 1", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	74.49	33.09
26 05 33 16-0245 EA 1/2", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	67.76	28.77
26 05 33 16-0246 EA 3/4", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	77.25	34.54
26 05 33 16-0247 EA 1", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	91.04	41.73
26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box..... Note: No hubs.	42.31	17.27
26 05 33 16-0250 EA 1/2", Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	41.32	17.27
26 05 33 16-0251 EA 3/4", Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	49.06	20.15
26 05 33 16-0252 EA 1", Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	55.01	24.47
26 05 33 16-0253 EA 1/2", Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	54.58	23.02
26 05 33 16-0254 EA 3/4", Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	61.41	27.34
26 05 33 16-0255 EA 1", Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	73.41	33.09
26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	44.91	18.70
26 05 33 16-0258 EA 3/4", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	51.46	21.59
26 05 33 16-0259 EA 1", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	57.44	25.90
26 05 33 16-0260 EA 1/2", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	55.13	24.47
26 05 33 16-0261 EA 3/4", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	68.13	28.77
26 05 33 16-0262 EA 1", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	80.62	34.54
26 05 33 16-0263 EA 1/2", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	56.44	24.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0264 EA 3/4", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	71.75	28.77
26 05 33 16-0265 EA 1", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	77.72	34.54
26 05 33 16-0266 EA 1/2", Type FSSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	69.02	30.22
26 05 33 16-0267 EA 3/4", Type FSSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	90.68	35.97
26 05 33 16-0268 EA 1", Type FSSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	93.83	43.17
26 05 33 16-0269 Poke Thru Units <small>(26 05 33 16)</small>		
26 05 33 16-0270 Surface Poke Thru Units <small>(26 05 33 16-0269)</small>		
<small>Note: Excludes concrete drilling. See CSI section 27 11 19 00-0115 for jacks.</small>		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	369.24	30.83
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	235.83	
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	32.56	8.22
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	39.53	4.11
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	417.67	32.89
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	220.76	
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	55.87	12.34
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	39.53	4.11
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	115.35	8.22
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	330.42	28.77
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	27.43	4.11
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	328.89	28.77
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	38.21	4.11
26 05 33 16-0284 Recessed Poke Thru Units <small>(26 05 33 16-0269)</small>		
<small>Note: Excludes concrete drilling.</small>		
26 05 33 16-0285 Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small>		
<small>Note: Excludes concrete drilling.</small>		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.75	32.89
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.10	32.89
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.10	32.89
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	520.60	32.89
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	327.27	30.83
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	350.78	30.83
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	353.11	30.83
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	100.75	16.45
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	229.18	8.22
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	229.18	8.22
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	190.63	8.22
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	27.65	2.05
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.81	4.11
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.90	4.11
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	13.75	4.11
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCLs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	13.79	4.11
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.70	4.11
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	16.12	4.11
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.95	4.11
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	16.33	4.11
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.50	4.11
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.51	4.11
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	13.33	4.11
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	13.33	4.11
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.81	6.16
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	12.23	4.11
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	12.53	4.11
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	99.02	7.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.76	4.11
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.41	4.11
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.87	4.11
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	26.08	8.22
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	29.95	10.27
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	32.94	10.27
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	25.07	8.22
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	16.30	4.11
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	16.30	4.11
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	17.16	4.11
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	17.74	4.11
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	746.49	32.89
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	710.62	32.89
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	703.87	32.89
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	697.47	32.89
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	422.18	30.83
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	472.71	30.83
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	120.47	16.45
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	247.79	8.22
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	247.79	8.22
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	42.99	2.05
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	14.26	4.11
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.34	4.11
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.43	4.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.67	4.11
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.12	4.11
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	20.09	4.11
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.84	4.11
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.01	4.11
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.84	4.11
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.84	4.11
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.81	4.11
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.57	4.11
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	19.05	4.11
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	26.08	8.22

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001**Duct Bank (26 05 43)**

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002**Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank.....	21.21
26 05 43 00-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank.....	42.44
26 05 43 00-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank.....	43.47
26 05 43 00-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank.....	87.17
26 05 43 00-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank.....	63.93
26 05 43 00-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank.....	128.61
26 05 43 00-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank.....	193.51
26 05 43 00-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank.....	118.41
26 05 43 00-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank.....	236.07
26 05 43 00-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank.....	364.02
26 05 43 00-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank.....	168.45
26 05 43 00-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank.....	338.09
26 05 43 00-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank.....	502.58

26 05 43 00-0016**Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.04
26 05 43 00-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.13
26 05 43 00-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.30
26 05 43 00-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.66
26 05 43 00-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.28
26 05 43 00-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	27.00
26 05 43 00-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.79
26 05 43 00-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.58
26 05 43 00-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	35.20
26 05 43 00-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	52.79
26 05 43 00-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	10.95
26 05 43 00-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.88
26 05 43 00-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	42.24
26 05 43 00-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.60
26 05 43 00-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	19.81
26 05 43 00-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.48
26 05 43 00-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.13
26 05 43 00-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	96.22

26 05 43 00-0035**Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	5.58	
26 05 43 00-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.28	
26 05 43 00-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.45	
26 05 43 00-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.87	
26 05 43 00-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.72	
26 05 43 00-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.37	
26 05 43 00-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.94	
26 05 43 00-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.88	
26 05 43 00-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	35.81	
26 05 43 00-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.69	
26 05 43 00-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.18	
26 05 43 00-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.33	
26 05 43 00-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	43.15	
26 05 43 00-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.96	
26 05 43 00-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.12	
26 05 43 00-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.13	
26 05 43 00-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.43	
26 05 43 00-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	98.18	

26 05 43 00-0054 Male Or Female Adapters (26 05 43 00-0001)

26 05 43 00-0055 EA 2" Adapter	28.32	
26 05 43 00-0056 EA 3" Adapter	40.79	
26 05 43 00-0057 EA 4" Adapter	52.70	
26 05 43 00-0058 EA 5" Adapter	80.59	
26 05 43 00-0059 EA 6" Adapter	99.68	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Machine dig and set.		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	693.49	219.81
For Class 1 Pole, Add	88.83	
For Class 2 Pole, Add	50.76	
For Class 4 Pole, Deduct	-25.38	
For Class 5 Pole, Deduct	-76.14	
For Class 6 Pole, Deduct	-101.52	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	832.36	243.88
For Class 1 Pole, Add	120.60	
For Class 2 Pole, Add	68.91	
For Class 4 Pole, Deduct	-34.46	
For Class 5 Pole, Deduct	-103.37	
For Class 6 Pole, Deduct	-137.83	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,078.30	322.55
For Class 1 Pole, Add	151.65	
For Class 2 Pole, Add	86.66	
For Class 4 Pole, Deduct	-43.33	
For Class 5 Pole, Deduct	-129.99	
For Class 6 Pole, Deduct	-173.32	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,235.65	354.77
For Class 1 Pole, Add	184.15	
For Class 2 Pole, Add	105.23	
For Class 4 Pole, Deduct	-52.61	
For Class 5 Pole, Deduct	-157.84	
For Class 6 Pole, Deduct	-210.46	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,413.46	395.13
For Class 1 Pole, Add	218.09	
For Class 2 Pole, Add	124.62	
For Class 4 Pole, Deduct	-62.31	
For Class 5 Pole, Deduct	-186.94	
For Class 6 Pole, Deduct	-249.25	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,609.04	443.46
For Class 1 Pole, Add	252.76	
For Class 2 Pole, Add	144.43	
For Class 4 Pole, Deduct	-72.22	
For Class 5 Pole, Deduct	-216.65	
For Class 6 Pole, Deduct	-288.86	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,800.90	487.75
For Class 1 Pole, Add	288.86	
For Class 2 Pole, Add	165.06	
For Class 4 Pole, Deduct	-82.53	
For Class 5 Pole, Deduct	-247.60	
For Class 6 Pole, Deduct	-330.13	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,013.67	536.36
For Class 1 Pole, Add	329.30	
For Class 2 Pole, Add	188.17	
For Class 4 Pole, Deduct	-94.09	
For Class 5 Pole, Deduct	-282.26	
For Class 6 Pole, Deduct	-376.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0011	EA		65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,337.15	584.59
			<i>For Class 1 Pole, Add</i>	758.77	
			<i>For Class 2 Pole, Add</i>	433.58	
			<i>For Class 4 Pole, Deduct</i>	-216.79	
			<i>For Class 5 Pole, Deduct</i>	-650.38	
			<i>For Class 6 Pole, Deduct</i>	-867.17	
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,667.42	621.87
			<i>For Class 1 Pole, Add</i>	848.28	
			<i>For Class 2 Pole, Add</i>	484.73	
			<i>For Class 4 Pole, Deduct</i>	-242.37	
			<i>For Class 5 Pole, Deduct</i>	-727.10	
			<i>For Class 6 Pole, Deduct</i>	-969.46	
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,033.98	664.21
			<i>For Class 1 Pole, Add</i>	946.94	
			<i>For Class 2 Pole, Add</i>	541.11	
			<i>For Class 4 Pole, Deduct</i>	-270.55	
			<i>For Class 5 Pole, Deduct</i>	-811.66	
			<i>For Class 6 Pole, Deduct</i>	-1,082.22	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015	LF		Remove And Relocate Wood Pole With Cross Arms, Up To 75'	18.73	
26 05 46 00-0016			Crossarms <small>(26 05 46)</small>		
			Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	152.24	65.56
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	184.87	65.56
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	194.54	84.29
26 05 46 00-0021			Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	394.98	182.62
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	419.76	182.62
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	437.81	182.62
26 05 46 00-0025			Fiberglass Crossarms <small>(26 05 46 00-0016)</small>		
			Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	155.93	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	200.67	39.33
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	210.04	42.15
26 05 46 00-0030			Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	251.62	50.57
26 05 46 00-0032			Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	388.69	64.62
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	462.64	78.67
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	67.59	11.24
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	337.98	56.19
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	277.71	93.65
26 05 46 00-0038			Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>		
			Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	83.56	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	65.84	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	170.26	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	129.25	
26 05 46 00-0044			Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>		
			Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	56.45	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	47.78	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting.....	152.20	
26 05 46 00-0048			Guying <small>(26 05 46)</small>		
			Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049			Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole	622.13	262.24
26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole	631.54	262.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole.....	650.90	262.24
26 05 46 00-0053 EA Guy Guard, Plastic.....	21.97	
26 05 46 00-0054 Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole.....	909.37	402.71
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole.....	909.37	402.71
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole.....	909.37	402.71
26 05 46 00-0058 Guy Strain Insulators Additional Insulators (26 05 46 00-0048)		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator.....	396.16	196.68
26 05 46 00-0060 Insulators (26 05 46)		
26 05 46 00-0061 Pin Insulator With Pin (26 05 46 00-0060)		
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin.....	126.05	56.19
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin.....	129.88	56.19
26 05 46 00-0064 Suspension Insulator (26 05 46 00-0060)		
Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	160.35	74.93
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	170.77	74.93
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	240.15	93.65
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	381.21	149.85
26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis.....	53.38	23.41
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis.....	171.37	84.29
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis.....	222.19	84.29
26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)		
26 05 46 00-0074 EA 1 Spool Secondary Rack.....	106.03	46.83
26 05 46 00-0075 EA 2 Spool Secondary Rack.....	109.39	59.75
26 05 46 00-0076 EA 3 Spool Secondary Rack.....	163.78	79.61
26 05 46 00-0077 EA 4 Spool Secondary Rack.....	183.99	79.61
26 05 46 00-0078 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079 7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0080 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	2,727.62	318.43
26 05 46 00-0081 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,249.60	318.43
26 05 46 00-0082 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	7,809.88	538.52
26 05 46 00-0083 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,003.53	538.52
26 05 46 00-0084 14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0085 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	3,306.17	318.43
26 05 46 00-0086 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,178.10	318.43
26 05 46 00-0087 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	7,809.88	538.52
26 05 46 00-0088 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,003.53	538.52
26 05 46 00-0089 23 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0090 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	3,653.41	369.94
26 05 46 00-0091 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,766.71	369.94
26 05 46 00-0092 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,191.51	636.85
26 05 46 00-0093 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,391.51	636.85
26 05 46 00-0094 Square Distribution Poles (26 05 46)		
26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole.....	2,107.28	398.04
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole.....	2,357.57	421.45
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole.....	2,561.97	468.27
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole.....	2,833.56	515.10
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole.....	3,790.37	561.94
26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution.....	2,353.91	688.98

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution.....	2,608.03	755.65
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution.....	3,021.33	844.56
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution.....	3,393.56	933.46
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution.....	4,071.66	1,133.48
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution.....	4,774.37	1,333.52
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution.....	5,583.87	1,511.32
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution.....	6,771.91	1,866.92
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution.....	7,555.76	2,044.72
26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,235.70	351.21
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,114.38	374.62
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,580.81	421.45
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,244.66	468.27
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,407.05	515.10
26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119 Round Tapered Pole (26 05 46 00-0118)		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	3,137.19	561.94
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	3,636.95	608.76
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	3,876.33	655.59
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	4,560.75	749.25
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	5,624.68	842.90
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	6,606.69	1,044.59
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	7,357.82	1,185.04
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	8,134.87	1,333.52
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	9,132.34	1,511.32
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	9,757.58	1,600.22
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	10,594.73	1,778.01
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	11,658.56	2,000.27
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	12,878.91	2,266.97
26 05 46 00-0133 12 Sided Tapered (26 05 46 00-0118)		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,295.29	561.94
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,841.81	608.76
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,466.16	655.59
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,109.70	749.25
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,421.88	842.90
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,427.25	1,044.59
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,076.61	1,185.04
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,002.40	1,333.52
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,993.76	1,511.32
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,826.39	1,600.22
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,827.15	1,778.01
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,873.52	2,000.27
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,134.67	2,266.97
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,481.72	2,533.68
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)		
26 05 46 00-0149 EA Ladder Clips.....	12.30	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate.....	461.06	93.65
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate.....	498.18	93.65
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate.....	629.67	140.49
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate.....	662.14	140.49
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate.....	792.21	187.31
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate.....	829.31	187.31
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate.....	1,094.65	234.14
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate.....	1,136.30	234.14
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	217.92	93.65
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	240.66	93.65
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	271.76	93.65
26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0166				Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0165)</small>		
			EA	7" 1 Position Vertical Insulation And Equipment Bracket.....	221.63	93.65
			EA	12" 1 Position Vertical Insulation And Equipment Bracket.....	235.99	93.65
			EA	12" 3 Position Vertical Insulation And Equipment Bracket.....	259.32	93.65
			EA	18" 1 Position Vertical Insulation And Equipment Bracket.....	368.35	140.49
			EA	18" 3 Position Vertical Insulation And Equipment Bracket.....	381.97	140.49
26 05 46 00-0172				Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0165)</small>		
			EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	210.45	93.65
			EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	240.62	93.65
			EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	353.74	140.49
			EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	424.94	140.49
			EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	548.15	187.31
			EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	585.94	187.31
26 05 46 00-0179				Pole Top Bracket And Pins <small>(26 05 46 00-0165)</small>		
			EA	Pole Top Pin - 5".....	214.83	93.65
			EA	Pole Top Bracket - 5".....	222.15	93.65
26 05 46 00-0182				Angle Pins <small>(26 05 46 00-0165)</small>		
			EA	Angle Pin - 25 Degree, 6".....	213.84	93.65
			EA	Angle Pin - 25 Degree, 7 1/4".....	237.63	93.65
26 05 46 00-0185				Static And Neutral Wire Brackets <small>(26 05 46 00-0165)</small>		
			EA	Neutral Wire Bracket.....	195.79	93.65
			EA	Static Wire Bracket.....	227.80	93.65
26 05 46 00-0188				Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0165)</small>		
			EA	Cutout And Arrestor, With Mounting Bracket.....	205.62	93.65
			EA	Equipment Mounting T Bracket.....	217.61	93.65
			EA	15 KV Cutout.....	272.47	
			EA	9/10 KV Arrestor.....	255.61	93.65
26 05 46 00-0193				Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0165)</small>		
			EA	Spacer Cable.....	230.46	93.65
			EA	Conduit Support.....	202.41	93.65
			EA	Cluster Bracket For Mounting Transformer On Pole, 3 Diameter.....	297.27	93.65
26 05 46 00-0197				15 KV 200 Amp Solenoid Operated High Voltage Switch <small>(26 05 46 00-0165)</small>		
				Note: Includes pole mounting bracket.		
			EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,211.10	234.14
26 05 46 00-0199				Octagonal Tapered <small>(26 05 46 00-0118)</small>		
			EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,455.69	561.94
			EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,019.71	608.76
			EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,664.48	655.59
			EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,325.51	796.07
			EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,719.36	842.90
			EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,748.06	1,044.59
			EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,449.91	1,111.26
			EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,400.49	1,333.52
			EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,415.17	1,422.42
			EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,272.60	1,600.22
			EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	17,336.07	1,689.11
			EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	18,408.69	2,000.27
			EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,696.09	2,133.62
			EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	21,072.30	2,400.33
26 05 46 00-0214				Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0118)</small>		
			LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	32.78	
26 05 46 00-0216				Special Steel Bases For Poles <small>(26 05 46 00-0118)</small>		
			EA	Spin-In Steel Base For Poles.....	169.02	
			EA	Series 3, 25' Pole And less.....	184.92	46.83
			EA	Series 4, 40' Pole And less.....	219.27	53.85
			EA	Series 5, 50' Pole And less.....	248.91	58.54

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0221 Primary Fuse Cutouts <small>(26 05 46)</small> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0221)</small> Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....450.98		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....544.63		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.48	
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....637.97		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.48	
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....645.42		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.59	
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....645.42		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.59	
26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....450.98		187.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....460.61		187.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0233 Fuseholders <small>(26 05 46 00-0222)</small> Note: Including current limiting fuse.		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....410.39		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....504.04		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.48	
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....597.38		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.48	
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....413.72		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....507.37		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.48	
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....410.39		187.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0240 Accessories <small>(26 05 46 00-0222)</small>		
26 05 46 00-0241 EA Hot Line Clamp .....56.77		21.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.05	
26 05 46 00-0242 EA Stirrup .....59.82		21.07
26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0221)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0243)</small>		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....525.96		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....619.61		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.48	
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....712.95		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.48	
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....727.39		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.59	
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....727.39		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.59	
26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0243)</small>		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....525.96		187.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0243)</small>		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....525.96		187.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0254 Fuseholders <small>(26 05 46 00-0243)</small> Note: Includes current limiting fuses.		
26 05 46 00-0255 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....413.83		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.39	
26 05 46 00-0256 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....507.48		234.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0257 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	600.82 168.48	234.14
26 05 46 00-0258 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	413.83 112.39	234.14
26 05 46 00-0259 Pole Mounted Capacitors (26 05 46 00-0243)		
26 05 46 00-0260 EA Capacitors - Pole Mounted 6 KVAR.....	805.00	188.81
26 05 46 00-0261 Pole Structure Assemblies (26 05 46 00-0221)		
26 05 46 00-0262 5 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	368.55	177.94
26 05 46 00-0264 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	617.65	299.70
26 05 46 00-0265 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	606.05	234.14
26 05 46 00-0266 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	330.73	121.75
26 05 46 00-0267 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	434.92	168.58
26 05 46 00-0268 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	801.04	337.16
26 05 46 00-0269 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	616.17	252.87
26 05 46 00-0270 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,173.75	505.74
26 05 46 00-0271 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,326.46	571.30
26 05 46 00-0272 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	699.69	280.96
26 05 46 00-0273 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	647.92	299.70
26 05 46 00-0274 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,260.56	608.76
26 05 46 00-0275 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	871.55	365.26
26 05 46 00-0276 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	573.97	262.24
26 05 46 00-0277 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,122.78	533.83
26 05 46 00-0278 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	794.35	271.60
26 05 46 00-0279 15 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	378.18	177.94
26 05 46 00-0281 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	631.41	299.70
26 05 46 00-0282 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	652.82	234.14
26 05 46 00-0283 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	347.24	121.75
26 05 46 00-0284 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	458.31	159.21
26 05 46 00-0285 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	847.81	337.16
26 05 46 00-0286 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	650.57	252.87
26 05 46 00-0287 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,243.91	505.74
26 05 46 00-0288 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,421.39	571.30
26 05 46 00-0289 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	746.46	280.96
26 05 46 00-0290 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	665.80	299.70
26 05 46 00-0291 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,278.44	608.76
26 05 46 00-0292 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	907.32	365.26
26 05 46 00-0293 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	591.85	252.87
26 05 46 00-0294 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,140.66	533.83
26 05 46 00-0295 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	830.12	327.80
26 05 46 00-0296 25 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	910.19	280.96
26 05 46 00-0298 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	528.94	140.49
26 05 46 00-0299 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	772.99	215.40
26 05 46 00-0300 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,162.07	440.18
26 05 46 00-0301 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,020.12	327.80
26 05 46 00-0302 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,764.67	646.22
26 05 46 00-0303 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,783.43	730.51
26 05 46 00-0304 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,184.08	426.13
26 05 46 00-0305 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,057.92	426.13
26 05 46 00-0306 50 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,223.43	383.99
26 05 46 00-0308 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	651.58	196.68
26 05 46 00-0309 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	889.90	309.06
26 05 46 00-0310 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,708.26	627.49
26 05 46 00-0311 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,299.76	468.27
26 05 46 00-0312 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,532.12	936.55
26 05 46 00-0313 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,931.48	1,039.58
26 05 46 00-0314 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,470.92	505.74
26 05 46 00-0315 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,554.55	585.35
26 05 46 00-0316 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,485.68	552.57
26 05 46 00-0317 Overhead To Underground Conversion Structures (26 05 46 00-0221)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0318 5 KV Structures <small>(26 05 46 00-0317)</small> Note: Excludes pole.		
26 05 46 00-0319 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,392.28	1,873.11
26 05 46 00-0320 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,392.28	1,873.11
26 05 46 00-0321 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,392.28	1,873.11
26 05 46 00-0322 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,392.28	1,873.11
26 05 46 00-0323 15 KV Structures <small>(26 05 46 00-0317)</small> Note: Excludes pole.		
26 05 46 00-0324 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,457.01	1,873.11
26 05 46 00-0325 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,457.01	1,873.11
26 05 46 00-0326 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,457.01	1,873.11
26 05 46 00-0327 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,457.01	1,873.11
26 05 46 00-0328 25 KV Structures <small>(26 05 46 00-0317)</small> Note: Excludes pole.		
26 05 46 00-0329 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,527.63	1,873.11
26 05 46 00-0330 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,527.63	1,873.11
26 05 46 00-0331 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,527.63	1,873.11
26 05 46 00-0332 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,527.63	1,873.11
26 05 46 00-0333 Transformer Stations <small>(26 05 46 00-0221)</small> Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334 5 KV Station <small>(26 05 46 00-0333)</small>		
26 05 46 00-0335 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,617.20	2,496.86
26 05 46 00-0336 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,185.51	2,809.66
26 05 46 00-0337 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,753.83	3,121.54
26 05 46 00-0338 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	5,753.83	3,121.54
26 05 46 00-0339 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,617.20	2,496.86
26 05 46 00-0340 15 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0341 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,681.94	2,496.86
26 05 46 00-0342 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,250.25	2,809.66
26 05 46 00-0343 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,818.56	3,121.54
26 05 46 00-0344 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	5,818.56	3,121.54
26 05 46 00-0345 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	4,681.94	2,496.86
26 05 46 00-0346 25 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0347 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,752.56	2,496.86
26 05 46 00-0348 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,320.87	2,809.66
26 05 46 00-0349 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,889.18	3,121.54
26 05 46 00-0350 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	5,889.18	3,121.54
26 05 46 00-0351 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	4,752.56	2,496.86
26 05 53 Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive <small>(26 05 53)</small> Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on	8.92	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on	9.33	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on	10.16	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.32	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.48	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on	10.73	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.40	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on	12.73	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.98	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on	13.23	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.74	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on	14.29	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on	14.77	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on	15.26	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on	16.64	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on	17.54	
26 05 53 00-0018 Labeling Electrical Wires <small>(26 05 53)</small>		
26 05 53 00-0019 EA Labeling Wire	1.76	

26 05 83 Wiring Connections (26 05)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0001 Tape Wrapped Compression Connectors <small>(26 05 83)</small>						
	EA			#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	10.39	3.70
	EA			#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	11.34	4.11
	EA			#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.18	4.52
	EA			1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.96	4.93
	EA			2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.03	5.34
	EA			3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.62	5.75
	EA			4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.80	6.16
	EA			250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.35	6.57
	EA			300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.44	7.40
	EA			350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.52	7.81
	EA			400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	24.86	8.22
	EA			500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.92	8.63
	EA			750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	29.99	9.45
	EA			1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	34.68	10.69
26 05 83 00-0016 One Hole Tape Wrapped Compression Lugs <small>(26 05 83)</small>						
	EA			#16-14 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	14.08	10.69
	EA			#12-10 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	15.91	11.52
	EA			#8 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	19.50	12.75
	EA			#6 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	27.50	16.45
	EA			#4 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	32.32	16.45
	EA			#2 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	37.19	16.45
	EA			1/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	45.92	24.67
	EA			2/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	53.91	24.67
	EA			3/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	63.12	24.67
	EA			4/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	76.14	32.89
	EA			250 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	90.33	49.33
	EA			300 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	103.32	49.33
	EA			350 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	111.08	49.33
	EA			400 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	120.87	57.56
	EA			500 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	132.10	57.56
	EA			750 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	143.62	65.78
	EA			1,000 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	168.27	74.01
26 05 83 00-0034 Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small>						
	EA			#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	42.86	32.89
	EA			#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	47.13	35.36
	EA			#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	53.70	37.00
	EA			#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	62.19	41.11
	EA			1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	73.25	45.22
	EA			2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	81.63	49.33
	EA			3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	101.85	53.45
	EA			4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	109.24	57.56
	EA			250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	115.07	61.67
	EA			300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	130.55	67.83
	EA			350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	146.03	98.67
	EA			400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	159.68	82.23
	EA			500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	173.35	111.00
	EA			750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	191.01	115.12
	EA			1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	214.95	123.34
26 05 83 00-0050 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>						
	EA			#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	58.77	32.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.27	
	EA			#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	67.80	32.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
	EA			1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	93.91	49.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
	EA			4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	111.65	49.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.63	
	EA			300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	133.72	61.67
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.37	
	EA			500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	184.87	82.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39	
26 05 83 00-0057 Terminal Blocks <small>(26 05 83)</small>						
				Note: Labor excludes wire termination.		
	EA			Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	702.77	304.24
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.72	
	EA			#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	167.59	41.18
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.95	
	EA			#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	183.57	41.18
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.21	

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0061 Two Hole Tape Wrapped Compression Lugs <small>(26 05 83)</small>					
26 05 83 00-0062	EA		#8 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	28.47	13.98
26 05 83 00-0063	EA		#6 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	30.52	14.88
26 05 83 00-0064	EA		#4 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	32.23	14.88
26 05 83 00-0065	EA		#2 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	37.08	17.10
26 05 83 00-0066	EA		1/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	45.81	21.38
26 05 83 00-0067	EA		2/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	53.79	25.41
26 05 83 00-0068	EA		3/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	62.98	29.77
26 05 83 00-0069	EA		4/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	75.99	36.10
26 05 83 00-0070	EA		250 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	90.15	42.84
26 05 83 00-0071	EA		300 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	103.12	48.92
26 05 83 00-0072	EA		350 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	110.87	52.71
26 05 83 00-0073	EA		400 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	120.62	57.07
26 05 83 00-0074	EA		500 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	131.81	62.33
26 05 83 00-0075	EA		750 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	143.89	67.59
26 05 83 00-0076	EA		1,000 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	177.57	82.23
26 05 83 00-0077 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>					
26 05 83 00-0078	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	28.46	14.88
26 05 83 00-0079	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	30.52	14.88
26 05 83 00-0080	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	32.23	14.88
26 05 83 00-0081	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.08	17.10
26 05 83 00-0082	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.80	21.38
26 05 83 00-0083	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	53.79	25.41
26 05 83 00-0084	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	62.98	29.77
26 05 83 00-0085	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	75.99	36.10
26 05 83 00-0086	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	90.15	42.84
26 05 83 00-0087	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	103.12	48.92
26 05 83 00-0088	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	110.87	52.71
26 05 83 00-0089	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	120.62	57.07
26 05 83 00-0090	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	131.81	62.33
26 05 83 00-0091	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	132.07	62.33
26 05 83 00-0092	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	28.46	14.88
26 05 83 00-0093	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	30.52	14.88
26 05 83 00-0094	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	32.23	14.88
26 05 83 00-0095	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	37.08	17.10
26 05 83 00-0096	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	45.80	21.38
26 05 83 00-0097	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	53.79	25.41
26 05 83 00-0098	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	62.98	29.77
26 05 83 00-0099	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	75.99	36.10
26 05 83 00-0100	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	90.15	42.84
26 05 83 00-0101	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	103.12	48.92
26 05 83 00-0102	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	110.87	52.71
26 05 83 00-0103	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	120.62	57.07
26 05 83 00-0104	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	131.81	62.33
26 05 83 00-0105	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	132.07	62.33
26 05 83 00-0106 Copper Mechanical Lugs <small>(26 05 83)</small>					
26 05 83 00-0107	EA		#8 Copper Mechanical Lugs.....	22.66	10.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 83 00-0108	EA		#6 Copper Mechanical Lugs.....	27.23	12.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.45	
26 05 83 00-0109	EA		#4 Copper Mechanical Lugs.....	31.49	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 83 00-0110	EA		#2 Copper Mechanical Lugs.....	40.96	18.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 05 83 00-0111	EA		1/0 Copper Mechanical Lugs.....	55.15	24.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 05 83 00-0112	EA		2/0 Copper Mechanical Lugs.....	65.37	28.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.19	
26 05 83 00-0113	EA		3/0 Copper Mechanical Lugs.....	76.14	32.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.74	
26 05 83 00-0114	EA		4/0 Copper Mechanical Lugs.....	86.39	36.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.13	
26 05 83 00-0115	EA		250 MCM Copper Mechanical Lugs.....	98.37	41.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 83 00-0116	EA		300 MCM Copper Mechanical Lugs.....	110.14	45.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.14	
26 05 83 00-0117	EA		350 MCM Copper Mechanical Lugs.....	121.86	49.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 83 00-0118	EA		400 MCM Copper Mechanical Lugs.....	133.51	53.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.04	
26 05 83 00-0119	EA		500 MCM Copper Mechanical Lugs.....	145.35	57.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 83 00-0120	EA		750 MCM Copper Mechanical Lugs.....	164.90	65.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.34	
26 05 83 00-0121	EA		1,000 MCM Copper Mechanical Lugs.....	186.58	74.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0122				Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0123	EA			3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	34.90	
				Note: Kit contains connector, gel filled cap and cap clamp.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 83 00-0124	EA			4 Port, #14 to 2, Gel Tap Splice Kit.....	34.20	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 83 00-0125				Other Connections <small>(26 05 83)</small>		
26 05 83 00-0126	EA			#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.05	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0127	EA			#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.10	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0128	EA			#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.16	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0129				Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
				Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
26 05 83 00-0130				AC Single Phase, 230 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0131	EA			<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.59	20.56
26 05 83 00-0132	EA			1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0133	EA			3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0134	EA			1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0135	EA			1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0136	EA			2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0137	EA			3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0138	EA			5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0139	EA			7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0140	EA			10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0141				AC Three Phase, 230 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0142	EA			1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0143	EA			3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0144	EA			1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0145	EA			1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0146	EA			2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0147	EA			3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0148	EA			5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0149	EA			7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0150	EA			10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0151	EA			15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.30	51.39
26 05 83 00-0152	EA			20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.42	61.67
26 05 83 00-0153	EA			25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.73	61.67
26 05 83 00-0154	EA			30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.75	82.23
26 05 83 00-0155	EA			40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	257.72	102.78
26 05 83 00-0156	EA			50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.20	123.34
26 05 83 00-0157	EA			60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.33	143.89
26 05 83 00-0158	EA			75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.71	164.45
26 05 83 00-0159	EA			100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	515.67	205.56
26 05 83 00-0160	EA			125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.22	244.62
26 05 83 00-0161	EA			150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	719.83	285.32
26 05 83 00-0162	EA			200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,039.89	427.90
26 05 83 00-0163				AC Three Phase, 460 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0164	EA			1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0165	EA			3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0166	EA			1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0167	EA			1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0168	EA			2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0169	EA			3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0170	EA			5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0171	EA			7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0172	EA			10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0173	EA			15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.30	51.39
26 05 83 00-0174	EA			20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.42	61.67
26 05 83 00-0175	EA			25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.73	61.67
26 05 83 00-0176	EA			30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.75	82.23
26 05 83 00-0177	EA			40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	257.97	102.94
26 05 83 00-0178	EA			50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.20	123.34
26 05 83 00-0179	EA			60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.33	143.89
26 05 83 00-0180	EA			75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.71	164.45
26 05 83 00-0181	EA			100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	515.67	205.56
26 05 83 00-0182	EA			125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.45	244.70
26 05 83 00-0183	EA			150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	720.15	285.48
26 05 83 00-0184	EA			200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,040.60	428.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0185 AC Single Phase, 120 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0186 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.59	20.56
26 05 83 00-0187 Motor Moisture Sensor <small>(26 05 83 00-0129)</small>		
26 05 83 00-0188 EA Motor Moisture Sensor Located In Winding	264.47	
26 09 Instrumentation and Control for Electrical Systems <small>(26)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 Lighting Control Devices <small>(26 09)</small>		
26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small>		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	288.07	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	39.47	
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	352.68	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	649.48	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	69.07	
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,000.88	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	93.74	
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,030.08	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	123.34	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	325.19	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	387.19	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	706.45	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	78.94	
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,082.80	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	103.61	
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,181.70	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	135.67	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	380.65	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	453.09	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	54.27	
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	849.42	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	88.80	
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,287.25	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	113.47	
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,765.90	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	148.01	
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	454.45	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	39.47	
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	573.27	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,089.37	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	69.07	
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,625.67	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	93.74	
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,096.48	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	123.34	
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	474.18	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	607.78	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,147.63	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	78.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,707.16	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.61	
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,247.67	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.67	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	513.66	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	673.68	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.27	
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,462.17	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.80	
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,083.18	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.47	
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,304.87	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.01	
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	409.33	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.47	
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	465.34	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	868.78	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.07	
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,208.57	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.74	
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,704.32	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.34	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	439.40	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	500.71	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	927.04	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.94	
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,290.92	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.61	
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,038.69	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.67	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	475.59	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	535.22	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.27	
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,081.62	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.80	
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,507.84	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.47	
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,655.14	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.01	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	596.86	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.47	
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	685.93	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,309.96	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.07	
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,833.36	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.74	
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,769.86	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.34	
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	633.04	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	721.30 49.34	82.23
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,368.22 78.94	131.56
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,916.14 103.61	172.67
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,105.09 135.67	226.12
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.58 49.34	82.23
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	755.81 54.27	90.44
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,694.37 88.80	148.00
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,303.77 113.47	189.12
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,162.72 148.01	246.68
26 09 23 00-0080 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	771.08 54.27	90.44
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,210.49 86.83	144.72
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,931.75 113.96	189.94
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,475.42 149.24	248.73
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,358.67 54.27	90.44
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,116.07 86.83	144.72
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,512.00 113.96	189.94
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,496.86 149.24	248.73
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	838.16 54.27	90.44
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,442.69 86.83	144.72
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,151.70 113.96	189.94
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,100.43 149.24	248.73



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0094)		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0101)		
26 09 23 00-0103	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,426.40	90.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>54.27</i>	
26 09 23 00-0104	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,349.56	144.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>86.83</i>	
26 09 23 00-0105	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	3,732.59	189.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>113.96</i>	
26 09 23 00-0106	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	6,121.86	248.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>149.24</i>	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108	EA	Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	86.25	21.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.85</i>	
26 09 23 00-0109	EA	Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	93.44	21.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.85</i>	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	890.92	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,137.65	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,388.78	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0114		Light Control Panels ^(26 09 23)		
26 09 23 00-0115		Power Filters ^(26 09 23 00-0114)		
26 09 23 00-0116	EA	600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17".....	22,913.07	685.19
26 09 23 00-0117	EA	200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17".....	13,521.42	297.90
26 09 23 00-0118		Signal Filters ^(26 09 23 00-0114)		
26 09 23 00-0119	EA	0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	10,580.98	622.94
26 09 23 00-0120	EA	0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	7,224.15	380.70
26 09 23 00-0121	EA	0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	4,032.51	221.02
26 09 23 00-0122	EA	5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case.....	5,468.69	221.02
26 09 23 00-0123		Radio Controlled Devices (Lutron) ^(26 09 23)		
26 09 23 00-0124		Tabletop Transmitters For Radio Controlled Devices ^(26 09 23 00-0123)		
26 09 23 00-0125		Switched Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0126	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	254.09	12.36
26 09 23 00-0127	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	328.80	12.36
26 09 23 00-0128	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	412.86	12.36
26 09 23 00-0129		Dimmable Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0130	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	254.09	12.36
26 09 23 00-0131	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	300.78	12.36
26 09 23 00-0132	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	412.86	12.36
26 09 23 00-0133	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	254.09	12.36
26 09 23 00-0134	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	328.80	12.36
26 09 23 00-0135	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	412.86	12.36
26 09 23 00-0136		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0137	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	328.80	12.36
26 09 23 00-0138	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	412.86	12.36
26 09 23 00-0139	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	412.86	12.36

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0140		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0141	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	254.09		12.36
26 09 23 00-0142	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	328.80		12.36
26 09 23 00-0143	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	300.78		12.36
26 09 23 00-0144	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	366.16		12.36
26 09 23 00-0145	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	328.80		12.36
26 09 23 00-0146	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	394.18		12.36
26 09 23 00-0147	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	328.80		12.36
26 09 23 00-0148		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0149	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	254.09		12.36
26 09 23 00-0150	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	328.80		12.36
26 09 23 00-0151	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	328.80		12.36
26 09 23 00-0152	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	412.86		12.36
26 09 23 00-0153	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	328.80		12.36
26 09 23 00-0154	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	412.86		12.36
26 09 23 00-0155		Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0156	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	254.09		12.36
26 09 23 00-0157	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	328.80		12.36
26 09 23 00-0158	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	412.86		12.36
26 09 23 00-0159		Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0160	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	57.95		12.36
26 09 23 00-0161		Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0162	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BWS-WH)	235.41		12.36
26 09 23 00-0163	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	254.09		12.36
26 09 23 00-0164	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	254.09		12.36
26 09 23 00-0165	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	254.09		12.36
26 09 23 00-0166	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	254.09		12.36
26 09 23 00-0167	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	254.09		12.36
26 09 23 00-0168		Interfaces For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0169	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	235.41		12.36
26 09 23 00-0170	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	235.41		12.36
26 09 23 00-0171	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	235.41		12.36
26 09 23 00-0172	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-B)	472.64		12.36
26 09 23 00-0173	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	674.38		12.36
26 09 23 00-0174	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	674.38		12.36
26 09 23 00-0175		Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0176	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	300.78		12.36
26 09 23 00-0177	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	338.14		12.36
26 09 23 00-0178	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	394.18		12.36
26 09 23 00-0179		AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0180	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	440.88		12.36
26 09 23 00-0181	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	604.33		12.36
26 09 23 00-0182		Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>			
		Note: Includes testing of new devices and certification.			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0183				Occupancy Sensors <small>(26 09 23 00-0182)</small> Note: Exclude boxes.		
26 09 23 00-0184				Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0185				Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0186	EA			Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	94.08	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0187	EA			Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	110.83	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0188				Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0189	EA			Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	69.38	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0190	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	69.38	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0191	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	76.44	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0192	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	90.55	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0193	EA			Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	92.31	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0194	EA			Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	94.08	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0195				Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0196	EA			Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	121.42	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0197	EA			Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	139.05	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0198				Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0184)</small>		
26 09 23 00-0199	EA			Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	5.18	2.06
26 09 23 00-0200	EA			One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.32	2.06
26 09 23 00-0201	EA			Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.32	2.06
26 09 23 00-0202				Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0203				Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0204				25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0205	EA			500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	123.50	18.53
26 09 23 00-0206	EA			1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	142.02	18.53
26 09 23 00-0207	EA			2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	159.65	18.53
26 09 23 00-0208	EA			90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	159.65	18.53
26 09 23 00-0209				32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0210	EA			600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	131.43	18.53
26 09 23 00-0211	EA			1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	149.07	18.53
26 09 23 00-0212	EA			2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	166.71	18.53
26 09 23 00-0213	EA			90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	166.71	18.53
26 09 23 00-0214				35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0215	EA			600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	128.79	18.53
26 09 23 00-0216	EA			1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	146.43	18.53
26 09 23 00-0217	EA			2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	164.06	18.53
26 09 23 00-0218	EA			90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	164.06	18.53
26 09 23 00-0219	EA			600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	138.49	18.53
26 09 23 00-0220	EA			1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	156.13	18.53
26 09 23 00-0221	EA			2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	174.65	18.53
26 09 23 00-0222	EA			90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	174.65	18.53
26 09 23 00-0223				40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0224	EA		500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	138.49	18.53
26 09 23 00-0225	EA		1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	156.13	18.53
26 09 23 00-0226	EA		2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	174.65	18.53
26 09 23 00-0227	EA		500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	131.43	18.53
26 09 23 00-0228	EA		1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	149.07	18.53
26 09 23 00-0229	EA		2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	166.71	18.53
26 09 23 00-0230	EA		500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	131.43	18.53
26 09 23 00-0231	EA		1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	149.07	18.53
26 09 23 00-0232	EA		2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	166.71	18.53
26 09 23 00-0233			Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0234	EA		30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	102.33	18.53
26 09 23 00-0235	EA		HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	104.98	18.53
26 09 23 00-0236	EA		Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	116.44	18.53
26 09 23 00-0237	EA		Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	121.73	18.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0238	EA		Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	121.73	18.53
26 09 23 00-0239	EA		Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	133.20	18.53
26 09 23 00-0240	EA		Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	136.72	18.53
26 09 23 00-0241			Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0242	EA		1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	172.00	18.53
26 09 23 00-0243	EA		1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	190.52	18.53
26 09 23 00-0244	EA		1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	190.52	18.53
26 09 23 00-0245			Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0246			Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0245)</small>		
26 09 23 00-0247	EA		120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	190.52	18.53
26 09 23 00-0248	EA		2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	190.52	18.53
26 09 23 00-0249			Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0245)</small>		
26 09 23 00-0250	EA		2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	190.52	18.53
26 09 23 00-0251			Occupancy Sensor Power Packs <small>(26 09 23 00-0182)</small>		
26 09 23 00-0252			Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0253	EA		220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	60.29	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0254	EA		347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	60.29	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0255			Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0256	EA		120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	55.00	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0257			Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0251)</small>		
26 09 23 00-0258	EA		120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	67.34	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0259			Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0260	EA		120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	65.58	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0261	EA		277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	65.58	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0262			Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0263 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.57 9.89	16.47
26 09 23 00-0264 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.57 9.89	16.47
26 09 23 00-0265 Occupancy Sensor Power Supplies (26 09 23 00-0251)		
26 09 23 00-0266 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.12 9.89	16.47
26 09 23 00-0267 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.12 9.89	16.47
26 09 23 00-0268 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0251)		
26 09 23 00-0269 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	226.97	16.47
26 09 23 00-0270 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0251)		
26 09 23 00-0271 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	69.99	16.47
26 09 23 00-0272 Occupancy Sensor Accessories (26 09 23 00-0182)		
26 09 23 00-0273 Protective Cages For Occupancy Sensors (26 09 23 00-0272)		
26 09 23 00-0274 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	41.46	6.17
26 09 23 00-0275 Mounting Brackets For Occupancy Sensors (26 09 23 00-0272)		
26 09 23 00-0276 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	32.05	10.29
26 09 23 00-0277 Occupancy/Lighting Logger (26 09 23 00-0272) Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0278 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	308.99	35.01
26 09 23 00-0279 Remove And Reinstall Occupancy Sensors (26 09 23 00-0272)		
26 09 23 00-0280 EA Remove And Reinstall Surface Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	55.60	
26 09 23 00-0281 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	24.71	
26 09 23 00-0282 Digital Time Light Switches (26 09 23 00-0182)		
26 09 23 00-0283 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	67.62	8.23
26 09 23 00-0284 Daylight Sensing Light Switches (26 09 23 00-0182)		
26 09 23 00-0285 EA User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100)	90.55	8.23
26 09 23 00-0286 Occupancy Sensors (Sensor Switch) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0287 Occupancy Sensors (Sensor Switch) (26 09 23 00-0286) Note: Exclude boxes		
26 09 23 00-0288 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0287)		
26 09 23 00-0289 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0288)		
26 09 23 00-0290 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Low Voltage Relay Option, Add</i>	98.97 6.25 7.50	8.23
26 09 23 00-0291 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.47 4.94	8.23
26 09 23 00-0292 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	68.45 6.25 7.50 4.94	8.23
26 09 23 00-0293 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	68.45 6.25 7.50 4.94	8.23
26 09 23 00-0294 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	85.22 6.25 7.50 4.94	8.23

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0295	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	85.22	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0296	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	102.41	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0297	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	85.22	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0298			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0298)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0299	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	126.47	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
26 09 23 00-0300	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	98.97	8.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0301	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	96.91	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0302	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	96.91	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0303	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	112.72	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0304	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	112.72	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0305	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	120.97	8.23
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0306			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)		
			<small>(26 09 23 00-0306)</small>		
26 09 23 00-0307	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	9.62	2.06
26 09 23 00-0308	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	9.62	2.06
26 09 23 00-0309	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	17.87	2.06
26 09 23 00-0310	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	17.87	2.06
26 09 23 00-0311			360 Degree View Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0297)</small>		
26 09 23 00-0312			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0311)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0313	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0314	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0315	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0316	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	126.45	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0317	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	126.45	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0318	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	104.45	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0319	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	153.95	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0320	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	153.95	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0321	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	131.95	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0322	EA			Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	119.57	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Low Voltage Relay Option, Add</i>	7.50	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0323	EA			Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	119.57	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Low Voltage Relay Option, Add</i>	7.50	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0324	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	119.57	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Low Voltage Relay Option, Add</i>	7.50	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0325	EA			Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	126.45	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0326	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	126.45	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0327	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	104.45	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
				<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0328	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	153.95	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0329	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	153.95	18.53
				<i>For Low Temp/High Humidity Option, Add</i>	6.25	
				<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
				<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0330	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	131.95	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0331			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)⁽²⁶⁾ <small>09 23 00-0311</small>		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0332	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	147.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0333	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	147.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0334	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	147.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0335	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	140.19	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0336	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	140.19	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0337	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	118.19	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0338	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	167.69	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0339	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	167.69	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0340	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	145.69	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0341	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	147.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0342	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	147.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0343 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	147.07	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0344 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	140.19	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0345 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	140.19	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0346 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	118.19	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0347 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	167.69	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0348 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	167.69	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0349 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	145.69	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0350 Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0287)</small>		
26 09 23 00-0351 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0350)</small>		
26 09 23 00-0352 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	119.57	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0353 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0354 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	160.82	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0355 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	153.95	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0356 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	181.45	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0357 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0350)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0358 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	147.07	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0359	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	167.69	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0360	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	195.19	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0361			High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0287)</small>		
26 09 23 00-0362			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0361)</small>		
26 09 23 00-0363	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0364	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0365	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	119.57	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0366	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	104.45	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0367	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	104.45	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0368	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	104.45	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0369	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	131.95	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0370	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	131.95	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0371	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	131.95	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0372	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	114.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0373	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	114.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0374	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	114.07	18.53
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0375 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	114.07	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0376 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	114.07	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0377 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	114.07	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0378 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0379 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0380 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0381 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	159.45	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0382 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	159.45	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0383 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	159.45	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0384 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	141.57	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0385 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	141.57	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0386 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	120.95	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0387 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	120.95	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0388 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	120.95	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0389 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	120.95	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0390 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0391 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	133.32	18.53
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0392 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	159.45	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0393 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	159.45	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0394 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	153.95	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0395 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	140.19	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0396 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	140.19	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0397 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0286)		
26 09 23 00-0398 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	71.45	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0399 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	98.95	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0400 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	57.70	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0401 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	53.57	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0402 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	67.33	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0403 EA 120/277 Volt AC, HID Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	101.70	16.47
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0404 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	101.70	16.47
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0405 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	101.70	16.47
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0406 Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0286)		
26 09 23 00-0407 Remove And Reinstall Occupancy Sensors (26 09 23 00-0406)		
26 09 23 00-0408 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor	24.71	
Note: Includes storing and cleaning.		
26 09 23 00-0409 EA Remove And Reinstall Surface Mounted Occupancy Sensor	55.60	
Note: Includes storing and cleaning.		
26 09 23 00-0410 Daylighting Control (Sensor Switch) (26 09 23 00-0286)		
26 09 23 00-0411 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0412 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0413 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0414 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For 480 Volt AC Option, Add	8.75	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0415 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For 480 Volt AC Option, Add	8.75	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0416 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For 480 Volt AC Option, Add	8.75	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0417 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0418 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0419 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0420 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0421 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0422 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	105.82	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0423 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0424 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0425 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
26 09 23 00-0426 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0427 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0428 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	147.07	18.53
For Low Temp/High Humidity Option, Add	6.25	
For Dual Zone Option, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0429 Occupancy Sensors (Sensor Switch nLight®) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0430 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0429) Note: Excludes boxes.		
26 09 23 00-0431 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0430)		
26 09 23 00-0432 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0431) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0433 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	168.49	8.23
26 09 23 00-0434 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0430)		
26 09 23 00-0435 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0434) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0436 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	204.12	18.53
26 09 23 00-0437 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	204.12	18.53
26 09 23 00-0438 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	204.12	18.53
26 09 23 00-0439 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0434) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0440 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	237.53	18.53
26 09 23 00-0441 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	237.53	18.53
26 09 23 00-0442 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	245.87	18.53
26 09 23 00-0443 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0430)		
26 09 23 00-0444 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0443)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0445 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	237.53	18.53
26 09 23 00-0446 High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0430)		
26 09 23 00-0447 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0446)		
26 09 23 00-0448 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	204.12	18.53
26 09 23 00-0449 Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0429)		
26 09 23 00-0450 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	74.71	16.47
26 09 23 00-0451 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	91.43	16.47
26 09 23 00-0452 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	119.82	16.47
26 09 23 00-0453 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	119.82	16.47
26 09 23 00-0454 Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0429)		
26 09 23 00-0455 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	245.87	18.53
26 09 23 00-0456 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	329.42	18.53
26 09 23 00-0457 Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0429)		
26 09 23 00-0458 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	170.71	18.53
26 09 23 00-0459 Controls (Sensor Switch nLight®) (26 09 23 00-0429)		
26 09 23 00-0460 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	115.59	18.53
26 09 23 00-0461 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	162.37	18.53
26 09 23 00-0462 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	362.82	18.53
26 09 23 00-0463 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	362.82	18.53
26 09 23 00-0464 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,331.70	18.53
26 09 23 00-0465 Occupancy Sensors (Lutron) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0466 Wireless Occupancy Sensors (26 09 23 00-0465)		
26 09 23 00-0467 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRFX-OCR2B-P-WH).....	92.96	18.53
26 09 23 00-0468 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0469 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0470 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0471 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0472 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0473 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0474 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	66.52	18.53
26 09 23 00-0475 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	135.09	18.53
26 09 23 00-0476 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	143.24	18.53
26 09 23 00-0477 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	167.62	18.53
26 09 23 00-0478 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	181.07	18.53
26 09 23 00-0479 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	180.48	18.53
26 09 23 00-0480 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	191.83	18.53
26 09 23 00-0481 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	126.62	18.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0482 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	112.67	18.53
26 09 23 00-0483 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	142.60	18.53
26 09 23 00-0484 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	148.29	18.53
26 09 23 00-0485 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	174.40	18.53
26 09 23 00-0486 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	145.84	18.53
26 09 23 00-0487 Nodes And Modules <small>(26 09 23 00-0465)</small>		
26 09 23 00-0488 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	129.12	18.53
26 09 23 00-0489 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	129.12	18.53
26 09 23 00-0490 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	165.94	18.53
26 09 23 00-0491 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	165.94	18.53
26 09 23 00-0492 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	223.22	20.59
26 09 23 00-0493 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	236.87	20.59
26 09 23 00-0494 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	277.58	20.59
26 09 23 00-0495 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	279.11	20.59
26 09 23 00-0496 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	344.88	20.59
26 09 23 00-0497 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	375.73	20.59
26 09 23 00-0498 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	362.07	20.59
26 09 23 00-0499 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	842.57	32.95
26 09 23 00-0500 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,114.59	37.07
26 09 23 00-0501 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,391.30	41.18
26 09 23 00-0502 Other Accessories <small>(26 09 23 00-0465)</small>		
26 09 23 00-0503 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	26.17	
26 09 23 00-0504 EA Pico® Wireless Control (Lutron® PJ)	42.36	
26 09 23 00-0505 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	75.48	
26 09 23 00-0506 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	154.89	
26 09 23 00-0507 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	148.69	18.53
26 09 23 00-0508 EA seeTouch® QS Wallstation (Lutron® QSWS2)	218.44	18.53
26 09 23 00-0509 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	246.35	18.53
26 09 23 00-0510 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	348.12	20.59
26 09 23 00-0511 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	459.74	20.59
26 09 23 00-0512 EA Control Interface (Lutron® QSE-CI-NWK-E)	560.27	18.53
26 09 23 00-0513 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	564.68	18.53
26 09 23 00-0514 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	753.11	18.53
26 09 23 00-0515 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,431.68	575.58
26 09 23 00-0516 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,874.95	575.58
26 09 23 00-0517 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0518 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	94.33	18.53
26 09 23 00-0519 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	102.95	18.53
26 09 23 00-0520 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	99.41	18.53
26 09 23 00-0521 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	109.63	18.53
26 09 23 00-0522 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0523 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0522)</small>		
26 09 23 00-0524 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0523)</small>		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0525 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	173.64	
26 09 23 00-0526 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	240.46	
26 09 23 00-0527 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0523)</small>		
26 09 23 00-0528 EA Retrofit Receptacle Kit (Roam® DUR103)	35.00	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0529 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	6,775.09	46.58
26 09 23 00-0530 Consoles <small>(26 09 23)</small>		
26 09 23 00-0531 EA 20" X 24" Oil Tight Console, Counter Mounted	365.67	102.78

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 10 Medium-Voltage Electrical Distribution⁽²⁶⁾****26 11 Substations^(26 10)****26 11 13 Primary Unit Substations^(26 11)****26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section^(26 11 13)****26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"^(26 11 13 00-0001)**

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	40,883.63	1,424.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	869.57	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	50,154.92	1,801.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,086.96	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	56,802.31	1,801.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,086.96	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	65,306.03	1,801.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,159.42	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	74,092.78	2,221.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.79	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers^(26 11 13 00-0001)

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179.....	1,128.40	150.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.02	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N.....	361.04	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.37	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67.....	539.28	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.98	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	426.62	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.37	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87.....	1,595.97	368.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.41	

26 11 13 00-0014 "Switchyard", Substation Transformer Section^(26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary^(26 11 13 00-0014)

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	23,589.38	1,424.83
		<i>For 50 Hz Operation, Add</i>	2,482.90	
		<i>For Forced Air Cooling, Add</i>	2,482.90	
		<i>For External Control Panel, Add</i>	620.72	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	206.91	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,034.54	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,586.35	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	3,103.62	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	26,982.27	1,785.22
		<i>For 50 Hz Operation, Add</i>	2,803.09	
		<i>For Forced Air Cooling, Add</i>	2,803.09	
		<i>For External Control Panel, Add</i>	700.77	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	233.59	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,167.95	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,919.89	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	3,503.86	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	41,500.85	2,514.40
		<i>For 50 Hz Operation, Add</i>	4,361.74	
		<i>For Forced Air Cooling, Add</i>	4,361.74	
		<i>For External Control Panel, Add</i>	1,090.44	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	363.48	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,817.39	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,543.48	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,452.18	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	60,117.28	3,022.63
		<i>For 50 Hz Operation, Add</i>	6,431.75	
		<i>For Forced Air Cooling, Add</i>	6,431.75	
		<i>For External Control Panel, Add</i>	1,607.94	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	535.98	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,679.89	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	6,699.74	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	8,039.68	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	74,068.53	3,911.63
		<i>For 50 Hz Operation, Add</i>	7,910.31	
		<i>For Forced Air Cooling, Add</i>	7,910.31	
		<i>For External Control Panel, Add</i>	1,977.58	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	659.19	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	3,295.96	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	8,239.91	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	9,887.89	

26 11 13 00-0021 23 KV Nominal Primary^(26 11 13 00-0014)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	26,383.63	1,927.71
For 50 Hz Operation, Add	2,731.25	
For External Control Panel, Add	682.81	
For Internally Mounted Current Transformers And Linear Couplers, Add	227.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,138.02	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,845.06	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,414.07	
For Forced Air Cooling, Add	1,820.84	
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,130.39	1,927.71
For 50 Hz Operation, Add	3,090.63	
For External Control Panel, Add	772.66	
For Internally Mounted Current Transformers And Linear Couplers, Add	257.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,287.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,219.40	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,863.28	
For Forced Air Cooling, Add	2,060.42	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	48,305.66	2,849.66
For 50 Hz Operation, Add	5,101.03	
For External Control Panel, Add	1,275.26	
For Internally Mounted Current Transformers And Linear Couplers, Add	425.09	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,125.43	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,313.57	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,376.28	
For Forced Air Cooling, Add	3,400.68	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	64,827.51	3,911.63
For 50 Hz Operation, Add	6,801.39	
For External Control Panel, Add	1,700.35	
For Internally Mounted Current Transformers And Linear Couplers, Add	566.78	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,833.91	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,084.78	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,501.74	
For Forced Air Cooling, Add	4,534.26	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,229.23	3,911.63
For 50 Hz Operation, Add	8,649.60	
For External Control Panel, Add	2,162.40	
For Internally Mounted Current Transformers And Linear Couplers, Add	720.80	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,604.00	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,010.00	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,812.00	
For Forced Air Cooling, Add	5,766.40	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,125.17	2,304.86
For 50 Hz Operation, Add	3,450.00	
For External Control Panel, Add	862.50	
For Internally Mounted Current Transformers And Linear Couplers, Add	287.50	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,437.50	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,593.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,312.50	
For Forced Air Cooling, Add	2,300.00	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	40,009.65	3,603.98
For 50 Hz Operation, Add	4,168.75	
For External Control Panel, Add	1,042.19	
For Internally Mounted Current Transformers And Linear Couplers, Add	347.40	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,736.98	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,342.45	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,210.93	
For Forced Air Cooling, Add	2,779.16	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,299.87	3,603.98
For 50 Hz Operation, Add	5,766.42	
For External Control Panel, Add	1,441.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	480.54	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,402.68	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,006.69	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,208.03	
For Forced Air Cooling, Add	3,844.28	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,988.16	3,822.74
For 50 Hz Operation, Add	7,540.67	
For External Control Panel, Add	1,885.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	628.39	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,141.95	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,854.86	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,425.84	
For Forced Air Cooling, Add	5,027.11	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	122,555.50	4,889.55
For 50 Hz Operation, Add	13,454.94	
For External Control Panel, Add	3,363.73	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,121.24	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,606.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,015.66	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,818.67	
For Forced Air Cooling, Add	8,969.96	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	50,750.83	2,682.03
For 50 Hz Operation, Add	5,457.69	
For External Control Panel, Add	1,364.42	
For Internally Mounted Current Transformers And Linear Couplers, Add	454.81	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,274.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,685.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,822.11	
For Forced Air Cooling, Add	3,638.46	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	57,359.32	2,682.03
For 50 Hz Operation, Add	6,187.47	
For External Control Panel, Add	1,546.87	
For Internally Mounted Current Transformers And Linear Couplers, Add	515.62	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,578.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,445.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,734.33	
For Forced Air Cooling, Add	4,124.98	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	79,431.30	3,603.98
For 50 Hz Operation, Add	8,662.19	
For External Control Panel, Add	2,165.55	
For Internally Mounted Current Transformers And Linear Couplers, Add	721.85	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,609.25	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,023.12	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,827.74	
For Forced Air Cooling, Add	5,774.79	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,169.69	4,889.55
For 50 Hz Operation, Add	10,408.64	
For External Control Panel, Add	2,602.16	
For Internally Mounted Current Transformers And Linear Couplers, Add	867.39	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,336.93	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,842.33	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,010.80	
For Forced Air Cooling, Add	6,939.09	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	137,995.39	4,889.55
For 50 Hz Operation, Add	15,307.72	
For External Control Panel, Add	3,826.93	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,275.64	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,378.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,945.55	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	19,134.65	
For Forced Air Cooling, Add	10,205.15	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	72,997.39	2,849.66
For 50 Hz Operation, Add	8,064.03	
For External Control Panel, Add	2,016.01	
For Internally Mounted Current Transformers And Linear Couplers, Add	672.00	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,360.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,400.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,080.04	
For Forced Air Cooling, Add	5,376.02	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	83,859.13	3,603.98
For 50 Hz Operation, Add	9,193.53	
For External Control Panel, Add	2,298.38	
For Internally Mounted Current Transformers And Linear Couplers, Add	766.13	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,830.64	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,576.60	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,491.91	
For Forced Air Cooling, Add	6,129.02	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	115,159.37	3,603.98
For 50 Hz Operation, Add	12,949.56	
For External Control Panel, Add	3,237.39	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,079.13	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,395.65	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,489.13	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,186.95	
For Forced Air Cooling, Add	8,633.04	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	122,107.53	4,889.55
For 50 Hz Operation, Add	13,401.18	
For External Control Panel, Add	3,350.30	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,116.77	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,583.83	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,959.56	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,751.48	
For Forced Air Cooling, Add	8,934.12	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	159,807.25	4,889.55
For 50 Hz Operation, Add	17,925.15	
For External Control Panel, Add	4,481.29	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,493.76	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,468.81	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,672.03	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,406.43	
For Forced Air Cooling, Add	11,950.10	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,723.09	714.31
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	47,997.62	714.31
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,654.84	887.29
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,133.97	1,066.92
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,591.56	1,066.92
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,705.89	1,239.53
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	67,751.41	1,416.16
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,791.47	1,416.16
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	79,451.70	1,590.36
 26 11 16 Secondary Unit Substations (26 11)		
26 11 16 00-0001 Substation Primary Incoming Section (26 11 16)		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches (26 11 16 00-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,169.58	1,048.94
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	24,358.60	1,048.94
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches (26 11 16 00-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	29,870.38	1,048.94
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	31,945.82	1,048.94
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches (26 11 16 00-0001)		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,127.58	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	499.10	
26 11 16 00-0011 Oil Filled Substation Transformers (26 11 16) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,650.94	586.70
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	593.43	
For Control Power Transformer On Fans And Auxiliary, Add	254.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	84.78	
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,919.57	628.60
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	886.37	
For Control Power Transformer On Fans And Auxiliary, Add	379.87	
For Internal Mounted Current Transformer And Linear Coupler, Add	126.62	
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,682.32	670.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,004.59	
For Control Power Transformer On Fans And Auxiliary, Add	430.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.51	
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,336.24	712.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,183.80	
For Control Power Transformer On Fans And Auxiliary, Add	507.34	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.11	
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	20,198.46	754.32
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,308.29	
For Control Power Transformer On Fans And Auxiliary, Add	560.69	
For Internal Mounted Current Transformer And Linear Coupler, Add	186.90	
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,321.84	796.23
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,381.06	
For Control Power Transformer On Fans And Auxiliary, Add	591.88	
For Internal Mounted Current Transformer And Linear Coupler, Add	197.29	
26 11 16 00-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	24,687.34	838.13
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,610.77	
For Control Power Transformer On Fans And Auxiliary, Add	690.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	230.11	
26 11 16 00-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	26,351.93	942.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,712.63	
For Control Power Transformer On Fans And Auxiliary, Add	733.98	
For Internal Mounted Current Transformer And Linear Coupler, Add	244.66	
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	29,397.21	1,005.76
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,917.00	
For Control Power Transformer On Fans And Auxiliary, Add	821.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	273.86	
26 11 16 00-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	33,989.67	1,089.58
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,226.74	
For Control Power Transformer On Fans And Auxiliary, Add	954.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	318.11	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,302.88	1,173.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,446.93	
For Control Power Transformer On Fans And Auxiliary, Add	1,048.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	349.56	
26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,228.01	586.70
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	563.82	
For Control Power Transformer On Fans And Auxiliary, Add	241.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	80.55	
26 11 16 00-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,782.42	628.60
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	876.77	
For Control Power Transformer On Fans And Auxiliary, Add	375.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	125.25	
26 11 16 00-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,682.96	670.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,003.94	
For Control Power Transformer On Fans And Auxiliary, Add	430.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.42	
26 11 16 00-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,352.34	712.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,184.93	
For Control Power Transformer On Fans And Auxiliary, Add	507.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.28	
26 11 16 00-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,841.88	754.32
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,423.33	
For Control Power Transformer On Fans And Auxiliary, Add	610.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	203.33	
26 11 16 00-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	23,368.20	796.23
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,524.30	
For Control Power Transformer On Fans And Auxiliary, Add	653.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	217.76	
26 11 16 00-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,632.27	838.13
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,676.92	
For Control Power Transformer On Fans And Auxiliary, Add	718.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	239.56	
26 11 16 00-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	27,979.66	942.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,826.57	
For Control Power Transformer On Fans And Auxiliary, Add	782.82	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.94	
26 11 16 00-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,502.11	1,005.76
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.34	
For Control Power Transformer On Fans And Auxiliary, Add	884.72	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.91	
26 11 16 00-0034 Accessories For Oil Filled Substation Transformers (26 11 16 00-0011)		
26 11 16 00-0035 EA Sudden Pressure Relay.....	2,569.52	
26 11 16 00-0036 EA Throats Or Flanges (HV Or LV).....	5,101.36	
26 11 16 00-0037 EA Lightning Arrestors (3 - 1 Pole).....	3,359.05	
26 11 16 00-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close Fuse Type - CLE (80E To 125 X).....	18,641.04	
26 11 16 00-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	17,440.55	
26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 00-0011)		
Note: For transformer liquid containment area.		
26 11 16 00-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,156.71	922.92
26 11 16 00-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid.....	3,687.25	1,064.14
26 11 16 00-0049 Dry Type Substation Transformer (26 11 16)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V (26 11 16 00-0049)		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,643.70	670.51
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,500.69	
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,727.52	712.41
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,509.07	
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	17,178.29	838.13
For Gas Filled Transformers, Add	9,301.21	
For Single Phase Transformers, Deduct	-387.55	
For Dry Type Unit, Add	3,578.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,957.80 10,268.34 -427.85 3,949.45	921.95
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,094.84 11,349.41 -472.89 4,379.37	1,089.58
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,435.70 13,152.78 -548.03 5,074.13	1,257.20
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,410.33 15,235.83 -634.83 5,888.20	1,508.64
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,494.91 18,085.42 -753.56 6,966.58	1,676.27
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,071.73 23,730.94 -988.79 9,053.36	1,760.08
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,100.65 8,855.78 -368.99 3,381.22	670.51
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,727.52 9,181.61 -382.57 3,509.07	712.41
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,178.29 9,301.21 -387.55 3,578.07	838.13
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,957.80 10,268.34 -427.85 3,949.45	921.95
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,094.84 11,349.41 -472.89 4,379.37	1,089.58
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,435.70 13,152.78 -548.03 5,074.13	1,257.20
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,410.33 15,235.83 -634.83 5,888.20	1,508.64
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,494.91 18,085.42 -753.56 6,966.58	1,676.27
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,071.73 23,730.94 -988.79 9,053.36	1,760.08
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,203.93 26,109.68 -1,087.90 9,942.33	1,843.90
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	52,577.60 29,233.31 -1,218.05 11,104.42	1,927.71
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	60,429.54 33,843.90 -1,410.16 12,811.73	2,011.53
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,935.10 9,855.88 -410.66 3,764.69	754.32

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,558.82	796.23
			<i>For Gas Filled Transformers, Add</i>	10,179.82	
			<i>For Single Phase Transformers, Deduct</i>	-424.16	
			<i>For Dry Type Unit, Add</i>	3,891.85	
26 11 16 00-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,916.77	921.95
			<i>For Gas Filled Transformers, Add</i>	10,843.72	
			<i>For Single Phase Transformers, Deduct</i>	-451.82	
			<i>For Dry Type Unit, Add</i>	4,160.42	
26 11 16 00-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,057.49	1,005.76
			<i>For Gas Filled Transformers, Add</i>	11,427.58	
			<i>For Single Phase Transformers, Deduct</i>	-476.15	
			<i>For Dry Type Unit, Add</i>	4,391.26	
26 11 16 00-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,035.79	1,173.38
			<i>For Gas Filled Transformers, Add</i>	13,013.41	
			<i>For Single Phase Transformers, Deduct</i>	-542.23	
			<i>For Dry Type Unit, Add</i>	5,006.26	
26 11 16 00-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,673.51	1,341.01
			<i>For Gas Filled Transformers, Add</i>	14,394.89	
			<i>For Single Phase Transformers, Deduct</i>	-599.79	
			<i>For Dry Type Unit, Add</i>	5,546.33	
26 11 16 00-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,170.78	1,592.45
			<i>For Gas Filled Transformers, Add</i>	16,791.52	
			<i>For Single Phase Transformers, Deduct</i>	-699.65	
			<i>For Dry Type Unit, Add</i>	6,475.38	
26 11 16 00-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,619.26	1,760.08
			<i>For Gas Filled Transformers, Add</i>	20,459.46	
			<i>For Single Phase Transformers, Deduct</i>	-852.48	
			<i>For Dry Type Unit, Add</i>	7,853.82	
26 11 16 00-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	45,213.80	1,843.90
			<i>For Gas Filled Transformers, Add</i>	24,915.61	
			<i>For Single Phase Transformers, Deduct</i>	-1,038.15	
			<i>For Dry Type Unit, Add</i>	9,504.50	
26 11 16 00-0083			Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	17,935.10	754.32
			<i>For Gas Filled Transformers, Add</i>	9,855.88	
			<i>For Single Phase Transformers, Deduct</i>	-410.66	
			<i>For Dry Type Unit, Add</i>	3,764.69	
26 11 16 00-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,558.82	796.23
			<i>For Gas Filled Transformers, Add</i>	10,179.82	
			<i>For Single Phase Transformers, Deduct</i>	-424.16	
			<i>For Dry Type Unit, Add</i>	3,891.85	
26 11 16 00-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,916.77	921.95
			<i>For Gas Filled Transformers, Add</i>	10,843.72	
			<i>For Single Phase Transformers, Deduct</i>	-451.82	
			<i>For Dry Type Unit, Add</i>	4,160.42	
26 11 16 00-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,057.49	1,005.76
			<i>For Gas Filled Transformers, Add</i>	11,427.58	
			<i>For Single Phase Transformers, Deduct</i>	-476.15	
			<i>For Dry Type Unit, Add</i>	4,391.26	
26 11 16 00-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,035.79	1,173.38
			<i>For Gas Filled Transformers, Add</i>	13,013.41	
			<i>For Single Phase Transformers, Deduct</i>	-542.23	
			<i>For Dry Type Unit, Add</i>	5,006.26	
26 11 16 00-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,534.49	1,341.01
			<i>For Gas Filled Transformers, Add</i>	12,511.48	
			<i>For Single Phase Transformers, Deduct</i>	-521.31	
			<i>For Dry Type Unit, Add</i>	4,855.74	
26 11 16 00-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,722.03	1,592.45
			<i>For Gas Filled Transformers, Add</i>	12,922.27	
			<i>For Single Phase Transformers, Deduct</i>	-538.43	
			<i>For Dry Type Unit, Add</i>	5,056.66	
26 11 16 00-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,230.84	1,760.08
			<i>For Gas Filled Transformers, Add</i>	16,026.41	
			<i>For Single Phase Transformers, Deduct</i>	-667.77	
			<i>For Dry Type Unit, Add</i>	6,228.37	
26 11 16 00-0092	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	35,637.42	1,843.90
			<i>For Gas Filled Transformers, Add</i>	19,169.78	
			<i>For Single Phase Transformers, Deduct</i>	-798.74	
			<i>For Dry Type Unit, Add</i>	7,397.70	
26 11 16 00-0093	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	39,721.54	1,927.71
			<i>For Gas Filled Transformers, Add</i>	21,519.68	
			<i>For Single Phase Transformers, Deduct</i>	-896.65	
			<i>For Dry Type Unit, Add</i>	8,276.09	
26 11 16 00-0094	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	46,414.25	2,011.53
			<i>For Gas Filled Transformers, Add</i>	25,434.73	
			<i>For Single Phase Transformers, Deduct</i>	-1,059.78	
			<i>For Dry Type Unit, Add</i>	9,728.37	
26 11 16 00-0095	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	56,594.75	2,095.33
			<i>For Gas Filled Transformers, Add</i>	31,442.45	
			<i>For Single Phase Transformers, Deduct</i>	-1,310.10	
			<i>For Dry Type Unit, Add</i>	11,947.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0096 Substation Secondary Distribution Section <small>(26 11 16)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker <small>(26 11 16 00-0096)</small> Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	10,919.53	724.68
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	17,274.39	1,095.64
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	23,390.70	1,345.83
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	38,798.09	1,561.51
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	49,852.14	1,777.18
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker <small>(26 11 16 00-0096)</small>		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,834.79	219.99
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,586.62	219.99
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,308.81	323.52
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,437.87	323.52
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	17,419.10	474.49
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 11 16 00-0096)</small> Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,246.89	245.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.59	
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,800.80	245.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.04	
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section.....	3,677.14	379.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	237.25	
26 11 16 00-0113 Accessories For Substation Secondary Distribution <small>(26 11 16 00-0096)</small>		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,189.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section.....	939.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	2,837.38	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	2,837.38	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	3,732.02	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	4,814.99	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	2,131.66	85.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	7,362.56	1,268.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	761.34	
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,321.21	75.17
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,540.42	75.17
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	820.70	37.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.55	
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	6,031.38	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	783.03	37.59
26 12 Medium-Voltage Transformers <small>(26 10)</small>		
26 12 13 Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 13 00-0001 Removal And Relocation Of Transformers <small>(26 12 13)</small>		
26 12 13 00-0002 EA Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA.....	883.54	
26 12 13 00-0003 EA Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA.....	1,625.96	
26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers <small>(26 12 13)</small> Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <small>(26 12 13 00-0004)</small>		
26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,402.77	352.09
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,709.91	440.11
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,012.06	528.13
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,570.71	660.16
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,063.64	792.20
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,984.09	924.23
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,730.05	1,100.27
26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <small>(26 12 13 00-0004)</small>		
26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,402.77	352.09

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,729.10	440.11
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,012.06	528.13
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,570.71	660.16
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,063.64	792.20
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,786.91	924.23
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,629.92	1,100.27
26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,380.39	352.09
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,649.16	440.11
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,951.98	528.13
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,556.85	660.16
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,005.10	792.20
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,823.88	924.23
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,639.16	1,100.27
26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,484.31	352.09
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,756.27	440.11
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,232.59	528.13
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,806.64	660.16
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,285.12	792.20
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,238.01	924.23
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,307.71	1,100.27
26 12 13 00-0037 Transformer Platforms <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA.....	4,426.46	594.58
26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,283.23	704.17
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,546.84	792.20
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,937.61	880.22
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,949.88	1,232.31
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,516.42	1,408.34
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,913.01	1,760.43
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,987.21	1,936.48
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,111.83	2,464.60
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,917.57	2,816.69
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,276.41	3,520.87
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,897.07	4,401.08
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,402.77	431.13
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,709.91	538.86
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,011.70	645.99
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,571.56	809.53
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,062.82	969.73
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,982.99	1,129.41
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,730.05	1,347.26
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,402.77	431.13
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,729.10	538.86
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,011.70	645.99
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,571.56	809.53
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,062.82	969.73
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,785.81	1,129.41
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,629.92	1,347.26
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,234.63	352.09
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,503.69	440.11
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,767.17	528.13
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,266.86	660.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,782.91	792.20
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,879.40	924.23
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,525.83	1,100.27
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,183.76	352.09
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,439.74	440.11
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,738.10	528.13
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,208.73	660.16
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,702.98	792.20
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,588.74	924.23
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,235.17	1,100.27
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V <small>(26 12 13 00-0084)</small>		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,433.89	1,936.48
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,220.87	2,464.60
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,695.54	2,640.65
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	12,392.49	3,300.81
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	17,590.47	4,401.08
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	23,751.80	5,061.24
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA.....	347.82	
26 12 16 00-0003 EA Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA.....	1,545.90	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small>		
Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small>		
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small>		
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,573.73	419.07
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,880.13	419.07
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,430.43	574.13
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,155.50	574.13
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,697.31	754.32
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,066.61	754.32
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	433.22	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	455.20	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications.....	500.72	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,109.51	419.07
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,563.07	419.07
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,893.48	574.13
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,756.67	574.13
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,322.04	754.32

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,437.05	754.32
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,930.91	1,047.67
26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	577.63	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications.....	146.36	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications.....	197.78	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	171.09	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)		
Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,322.40	419.07
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,633.92	419.07
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,865.63	574.13
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,586.38	574.13
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,675.24	754.32
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,059.68	754.41
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,937.24	1,047.67
26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)		
Note: Conventional type.		
26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038)		
Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,288.99	299.70
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,905.11	421.45
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,389.80	674.32
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,472.04	674.32
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,180.33	1,105.14
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,342.01	1,105.14
26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)		
26 12 19 00-0047 7.2 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,232.31	318.43
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,443.25	318.43
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,852.87	449.55
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,727.92	449.55
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,300.08	608.76
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,327.28	936.55
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,066.97	936.55
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,167.02	1,170.70
26 12 19 00-0056 7.2 KV Primary, 240/480 V Secondary (26 12 19 00-0046)		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,232.31	318.43
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,443.30	318.43
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,852.87	449.55
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,727.92	449.55
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,300.08	608.76
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,482.28	824.16
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,327.28	824.16
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,066.97	1,039.58
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,167.02	1,170.70
26 12 19 00-0066 2.4 KV Primary, 277 V Secondary (26 12 19 00-0046)		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,410.18	318.43
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,637.09	318.43
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,082.70	449.55
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,021.51	449.55
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,636.30	608.76
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,882.98	824.16
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,948.87	824.16
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,939.43	1,039.58
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,349.75	1,170.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,232.31	318.43
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,443.25	318.43
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,852.87	611.66
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,727.92	824.16
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,300.08	608.76
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,352.41	824.16
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,326.11	824.16
26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,232.31	318.43
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,443.25	318.43
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,852.87	449.55
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,727.92	449.55
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,300.08	608.76
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,352.41	824.16
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,326.11	824.16
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	1,955.71	327.80
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,130.78	365.26
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,551.44	402.71
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,302.08	561.94
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,710.86	655.59
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,972.48	767.97
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,927.96	880.36
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,984.78	1,123.86
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	12,074.37	1,264.35
26 13 Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	9,618.43	974.02
For Weatherproofing, Add		1,979.47
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,087.04	974.02
For Weatherproofing, Add		2,082.57
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,714.36	1,240.93
For Weatherproofing, Add		2,852.85
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,640.18	1,240.93
For Weatherproofing, Add		3,915.65
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,648.68	1,498.48
For Weatherproofing, Add		5,652.59
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,355.60	1,498.48
For Weatherproofing, Add		5,137.50
26 13 16 00-0009 7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,286.72	1,123.86
For Weatherproofing, Add		2,992.37
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,558.47	1,404.83
For Weatherproofing, Add		3,665.99
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,629.99	1,685.80
For Weatherproofing, Add		5,188.57
26 13 16 00-0013 13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,800.26	1,123.86
For Weatherproofing, Add		2,872.98
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,956.03	1,123.86
For Weatherproofing, Add		3,980.30
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,620.21	1,498.48
For Weatherproofing, Add		5,855.71
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,364.65	1,498.48
For Weatherproofing, Add		3,612.10
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	25,131.96	1,873.11
For Weatherproofing, Add		5,294.05
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	35,087.69	1,873.11
For Weatherproofing, Add		7,456.00

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-020	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,217.61	1,873.11
			<i>For Weatherproofing, Add</i>	5,085.06	
26 13 16 00-021	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	33,497.53	1,873.11
			<i>For Weatherproofing, Add</i>	7,099.67	
26 13 16 00-022	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	43,351.58	1,873.11
			<i>For Weatherproofing, Add</i>	9,242.04	
26 13 16 00-023			4.16 Or 4.8 KV Switchgear Section <small>(26 13 16 00-0001)</small>		
			Note: Excludes air circuit breaker element.		
26 13 16 00-024	EA		1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,348.87	613.44
			<i>For Weatherproofing, Add</i>	870.72	
26 13 16 00-025	EA		1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,619.28	613.44
			<i>For Weatherproofing, Add</i>	1,150.21	
26 13 16 00-026	EA		2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,121.20	814.80
			<i>For Weatherproofing, Add</i>	1,232.85	
26 13 16 00-027	EA		2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,585.15	1,006.80
			<i>For Weatherproofing, Add</i>	1,527.75	
26 13 16 00-028	EA		3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,156.37	1,006.80
			<i>For Weatherproofing, Add</i>	2,093.42	
26 13 16 00-029			7.2 KV Switchgear Section <small>(26 13 16 00-0001)</small>		
			Note: Excludes air circuit breaker element.		
26 13 16 00-030	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,487.87	936.55
			<i>For Weatherproofing, Add</i>	1,109.34	
26 13 16 00-031	EA		2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,177.04	936.55
			<i>For Weatherproofing, Add</i>	1,453.36	
26 13 16 00-032	EA		3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,897.95	936.55
			<i>For Weatherproofing, Add</i>	2,244.73	
26 13 16 00-033			13.8 KV Switchgear Section <small>(26 13 16 00-0001)</small>		
			Note: Excludes air circuit breaker element.		
26 13 16 00-034	EA		1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,672.63	796.07
			<i>For Weatherproofing, Add</i>	1,137.05	
26 13 16 00-035	EA		1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,040.30	796.07
			<i>For Weatherproofing, Add</i>	1,217.94	
26 13 16 00-036	EA		1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,627.54	983.38
			<i>For Weatherproofing, Add</i>	1,759.75	
26 13 16 00-037	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,747.91	1,180.05
			<i>For Weatherproofing, Add</i>	1,538.99	
26 13 16 00-038	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,480.53	1,180.05
			<i>For Weatherproofing, Add</i>	1,920.16	
26 13 16 00-039	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,904.97	1,376.73
			<i>For Weatherproofing, Add</i>	2,205.71	
26 13 16 00-040	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,268.87	1,573.41
			<i>For Weatherproofing, Add</i>	2,038.42	
26 13 16 00-041	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,456.12	1,573.41
			<i>For Weatherproofing, Add</i>	2,299.61	
26 13 16 00-042	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,082.46	1,760.72
			<i>For Weatherproofing, Add</i>	2,849.81	
26 13 16 00-043			Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-044	EA		1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	2,800.22	593.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.10	
26 13 16 00-045	EA		2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,484.36	658.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.17	
26 13 16 00-046	EA		3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,534.96	792.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	475.41	
26 13 16 00-047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	3,002.56	1,191.58
26 13 16 00-048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,353.84	75.17
26 13 16 00-049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,476.05	75.17
26 13 16 00-050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,187.60	75.17
26 13 16 00-051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,436.85	75.17
26 13 16 00-052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,025.94	75.17
26 13 16 00-053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,559.84	75.17
26 13 16 00-054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,525.25	75.17
26 13 16 00-055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,722.50	75.17
26 13 16 00-056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,610.67	75.17
26 13 16 00-057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67.....	1,675.05	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 13 16 00-058	EA		AC Ammeter With Switch.....	662.13	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 13 16 00-059	EA		AC Voltmeter With Switch And Potential Transformer.....	662.13	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 13 16 00-060	EA		Indicating Wattmeter.....	973.47	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 13 16 00-061	EA		Indicating Varmeter.....	1,146.20	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 13 16 00-062	EA		Indicating Watt-hour Meter, 2 Element.....	723.97	75.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,685.71 45.10	75.17
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87	3,171.51	75.17
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary	452.62	75.17
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses	2,120.20	75.17
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	34,310.90	1,170.70
26 13 19 00-0003 EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	37,905.18	1,479.75
26 13 19 00-0004 EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	43,042.24	1,479.75
26 13 19 00-0005 EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	39,292.31	1,170.70
26 13 19 00-0006 EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	44,170.41	1,170.70
26 13 19 00-0007 EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	50,350.92	1,376.73
26 13 19 00-0008 EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	51,984.29	1,573.41
26 13 19 00-0009 EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	56,887.16	1,573.41
26 13 19 00-0010 EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	62,168.70	1,770.09
26 18 Medium-Voltage Circuit Protection Devices (26 10)		
26 18 16 Medium-Voltage Fuses (26 18)		
26 18 16 00-0001 Sectionalizing Switch (26 18 16)		
26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001) Note: 15 KV - 25 KV.		
26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	18,821.15	628.60
26 18 16 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	21,132.17	628.60
26 20 Low-Voltage Electrical Distribution (26)		
26 21 Low-Voltage Electrical Service Entrance (26 20)		
See CSI section 26 05 13 00-0000 for wire and cables.		
26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)		
26 21 13 00-0001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004 LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	6.94	2.23
26 21 13 00-0005 LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.70	2.64
26 21 13 00-0006 LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	11.10	2.98
26 21 13 00-0007 LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	16.15	3.75
26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009 LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	9.02	2.64
26 21 13 00-0010 LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.68	2.98
26 21 13 00-0011 LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	13.74	3.75
26 21 13 00-0012 LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	18.07	4.57
26 21 13 00-0013 LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	23.03	6.04
26 21 13 00-0014 LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	30.74	7.49
26 21 13 00-0015 LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	47.88	8.92
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.76	2.98
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	13.73	3.75
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	17.95	4.80
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	24.93	6.04
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	28.00	6.69
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	33.91	7.49
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	39.22	8.92
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	57.04	9.86
26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002) Note: Excludes excavation and backfill.		
26 21 13 00-0026 MLF #6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	4,971.52	832.50
26 21 13 00-0027 MLF #4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	6,045.21	881.48
26 21 13 00-0028 MLF #2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	7,668.46	936.55
26 21 13 00-0029 MLF #1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	9,951.17	936.55
26 21 13 00-0030 MLF #2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	11,293.18	999.02
26 21 13 00-0031 MLF #3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	13,586.84	1,152.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0032 MLF #4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	16,229.49	1,498.48
26 21 13 00-0033 Weather Proof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0034 EA 1/2" Weatherproof Conduit Hubs	39.08	14.47
26 21 13 00-0035 EA 3/4" Weatherproof Conduit Hubs	44.66	16.45
26 21 13 00-0036 EA 1" Weatherproof Conduit Hubs	52.71	18.42
26 21 13 00-0037 EA 1-1/4" Weatherproof Conduit Hubs	74.80	24.67
26 21 13 00-0038 EA 1-1/2" Weatherproof Conduit Hubs	82.85	26.64
26 21 13 00-0039 EA 2" Weatherproof Conduit Hubs	111.38	30.92
26 21 13 00-0040 EA 2-1/2" Weatherproof Conduit Hubs	153.36	34.86
26 21 13 00-0041 EA 3" Weatherproof Conduit Hubs	202.87	41.11
26 21 13 00-0042 EA 4" Weatherproof Conduit Hubs	347.71	82.23
26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)		
26 21 13 00-0044 EA 1/2" Galvanized Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	43.78	14.47
26 21 13 00-0045 EA 3/4" Galvanized Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	50.28	16.45
26 21 13 00-0046 EA 1" Galvanized Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	64.16	20.98
26 21 13 00-0047 EA 1-1/4" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	77.63	24.67
26 21 13 00-0048 EA 1-1/2" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	97.62	30.35
26 21 13 00-0049 EA 2" Galvanized Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	128.68	35.21
26 21 13 00-0050 EA 2-1/2" Galvanized Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	218.21	39.71
26 21 13 00-0051 EA 3" Galvanized Weatherhead For 250 Thru 500 MCM Cable Service Entrance Threaded Weatherhead.....	233.98	41.11
26 21 13 00-0052 EA 4" Galvanized Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	378.14	82.23
26 21 13 00-0053 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)		
26 21 13 00-0054 EA 1/2" Polyvinyl Chloride (PVC) Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	38.97	14.47
26 21 13 00-0055 EA 3/4" Polyvinyl Chloride (PVC) Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	43.91	16.45
26 21 13 00-0056 EA 1" Polyvinyl Chloride (PVC) Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	55.34	20.88
26 21 13 00-0057 EA 1-1/4" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	66.66	24.67
26 21 13 00-0058 EA 1-1/2" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	81.74	30.35
26 21 13 00-0059 EA 2" Polyvinyl Chloride (PVC) Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	97.66	35.21
26 21 13 00-0060 EA 2-1/2" Polyvinyl Chloride (PVC) Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	146.67	39.71
26 21 13 00-0061 EA 3" Polyvinyl Chloride (PVC) Weatherhead For 250 Thru 350 MCM Cable Service Entrance Threaded Weatherhead.....	151.38	41.11
26 21 13 00-0062 EA 3-1/2" Polyvinyl Chloride (PVC) Weatherhead For 500 MCM Cable Service Entrance Threaded Weatherhead.....	241.11	57.56
26 21 13 00-0063 EA 4" Polyvinyl Chloride (PVC) Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	332.94	82.23
26 22 Low-Voltage Transformers (26 20)		
26 22 13 Low-Voltage Distribution Transformers (26 22)		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	578.03	211.23
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	743.80	253.47
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	866.78	264.46
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	990.74	274.60
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,283.56	295.71
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,483.33	316.84
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	42.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	63.72	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,613.71	337.96
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	46.89	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	70.33	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,634.63	380.21
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	43.71	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	65.57	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,908.66	422.45
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	53.19	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	79.78	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,455.81	506.95
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	72.10	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	108.14	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,047.78	591.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	93.25	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	139.87	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,614.15	760.42
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	154.67	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	232.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,727.10	929.40
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	293.42	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	440.12	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,579.90	1,056.14
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	473.38	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	710.07	
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	671.39	253.47
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	750.76	264.03
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	861.05	274.60
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	978.58	295.71
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,483.33	316.84
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,613.71	337.96
26 22 13 00-0025 1 Phase Mounting Brackets <small>(26 22 13 00-0001)</small>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	398.49	150.34
26 22 13 00-0027 1 Phase Weathershields <small>(26 22 13 00-0001)</small>		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	110.18	
26 22 13 00-0035 Packaged Power Supply <small>(26 22 13 00-0001)</small>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	978.04	264.03
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,075.33	274.60
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,162.95	295.71
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,375.45	316.84
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,782.31	337.96
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	718.92	190.10
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	948.88	211.23
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,115.00	253.47
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,213.66	264.03
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,340.88	274.60
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,660.63	295.71
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,076.69	316.84
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,470.36	316.84
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,573.47	337.96
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,683.07	359.09
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,429.78	380.21
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,571.46	401.34
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,629.25	422.45
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13 00-0001)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply <small>(26 22 13 00-0056)</small>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	3,973.34	908.27
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	107.84	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	161.76	
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	4,616.01	971.65
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	133.64	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	200.45	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	5,391.65	1,056.14
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	163.97	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	245.95	
26 22 13 00-0061 Drive Isolation Transformers (26 22 13 00-0056)		
Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,584.82	337.96
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,984.00	359.09
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,097.75	380.21
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,603.64	401.34
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,761.44	443.57
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,133.47	485.82
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,650.20	528.07
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,385.30	591.44
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,797.90	612.56
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,612.27	633.69
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,161.64	654.80
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,237.10	802.66
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,247.96	844.91
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,651.04	887.15
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,183.54	1,056.14
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,623.37	1,246.24
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,720.38	1,372.97
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,850.07	1,520.84
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,232.08	1,689.82
26 22 13 00-0082 208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,681.98	337.96
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,099.43	359.09
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,216.72	380.21
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,746.21	401.34
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,907.75	443.57
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,252.15	464.70
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,875.37	549.19
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,599.20	591.44
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,030.66	612.56
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,884.33	633.69
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,510.41	654.80
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,625.55	802.66
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,683.57	844.91
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,153.79	887.15
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,797.97	1,056.14
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,940.87	348.53
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,467.09	380.21
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	85.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	128.00	
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,804.13	464.70
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	93.74	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	140.60	
For K4 Factor Rating, Add	1,312.31	
For K13 Factor Rating, Add	1,874.73	
For K20 Factor Rating, Add	2,437.15	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,331.16	506.95
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	115.86	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	173.80	
For K4 Factor Rating, Add	1,622.09	
For K13 Factor Rating, Add	2,317.27	
For K20 Factor Rating, Add	3,012.45	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,501.98	549.19
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	120.18	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	180.27	
For K4 Factor Rating, Add	1,682.52	
For K13 Factor Rating, Add	2,403.60	
For K20 Factor Rating, Add	3,124.68	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,468.05	591.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	164.26	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	246.39	
For K4 Factor Rating, Add	2,299.63	
For K13 Factor Rating, Add	3,285.18	
For K20 Factor Rating, Add	4,270.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,456.78	633.69
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	159.47	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	239.21	
For K4 Factor Rating, Add	2,232.59	
For K13 Factor Rating, Add	3,189.42	
For K20 Factor Rating, Add	4,146.25	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,519.15	760.42
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	199.92	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	299.87	
For K4 Factor Rating, Add	2,798.82	
For K13 Factor Rating, Add	3,998.31	
For K20 Factor Rating, Add	5,197.80	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,022.18	844.91
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	266.62	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	399.93	
For K4 Factor Rating, Add	3,732.65	
For K13 Factor Rating, Add	5,332.36	
For K20 Factor Rating, Add	6,932.07	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,479.92	1,056.14
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	368.38	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	552.57	
For K4 Factor Rating, Add	5,157.36	
For K13 Factor Rating, Add	7,367.65	
For K20 Factor Rating, Add	9,577.95	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,577.73	1,309.61
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	447.93	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	671.89	
For K4 Factor Rating, Add	6,270.96	
For K13 Factor Rating, Add	8,958.51	
For K20 Factor Rating, Add	11,646.06	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,328.95	1,605.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	655.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	983.87	
For K4 Factor Rating, Add	9,182.80	
For K13 Factor Rating, Add	13,118.29	
For K20 Factor Rating, Add	17,053.78	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	35,885.10	1,927.71
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,599.93	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,399.89	
For K4 Factor Rating, Add	22,398.96	
For K13 Factor Rating, Add	31,998.52	
For K20 Factor Rating, Add	41,598.08	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	46,826.41	2,112.27
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,130.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,195.14	
For K4 Factor Rating, Add	29,821.31	
For K13 Factor Rating, Add	42,601.87	
For K20 Factor Rating, Add	55,382.43	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,624.22	327.40
For K4 Factor Rating, Add	678.59	
For K13 Factor Rating, Add	969.42	
For K20 Factor Rating, Add	1,260.25	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,940.87	348.53
For K4 Factor Rating, Add	870.67	
For K13 Factor Rating, Add	1,243.82	
For K20 Factor Rating, Add	1,616.97	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,467.09	380.21
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	85.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	128.00	
For K4 Factor Rating, Add	1,194.67	
For K13 Factor Rating, Add	1,706.67	
For K20 Factor Rating, Add	2,218.67	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
<small>(26 22 13 00-0056)</small>		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,498.03	464.70
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	178.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	267.65	
For K4 Factor Rating, Add	2,498.04	
For K13 Factor Rating, Add	3,568.63	
For K20 Factor Rating, Add	4,639.22	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,069.55	549.19
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	198.56	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	297.84	
For K4 Factor Rating, Add	2,779.82	
For K13 Factor Rating, Add	3,971.17	
For K20 Factor Rating, Add	5,162.52	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0121	EA		75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,307.04 301.98 452.98 4,227.78 6,039.68 7,851.58	633.69
26 22 13 00-0122	EA		112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,139.03 380.91 571.36 5,332.73 7,618.19 9,903.65	760.42
26 22 13 00-0123	EA		150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	10,937.79 462.40 693.60 6,473.58 9,247.97 12,022.36	844.91
26 22 13 00-0124	EA		225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	13,994.12 594.09 891.14 8,317.30 11,881.85 15,446.41	1,056.14
26 22 13 00-0125	EA		300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	17,039.96 721.04 1,081.56 10,094.52 14,420.74 18,746.96	1,309.61
26 22 13 00-0126	EA		500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	26,895.96 1,184.27 1,776.40 16,579.71 23,685.30 30,790.89	1,605.32
26 22 13 00-0127			3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128			3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,329.89	380.21
26 22 13 00-0130	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,415.53	464.70
26 22 13 00-0131	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,884.11	549.19
26 22 13 00-0132	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,174.78	633.69
26 22 13 00-0133	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,090.79	760.42
26 22 13 00-0134	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,980.00	844.91
26 22 13 00-0135	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,840.76	1,056.14
26 22 13 00-0136	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,038.69	1,309.61
26 22 13 00-0137			3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,644.99	380.21
26 22 13 00-0139	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,913.05	464.70
26 22 13 00-0140	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,640.95	549.19
26 22 13 00-0141	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,154.76	633.69
26 22 13 00-0142	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,604.48	760.42
26 22 13 00-0143	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,838.95	844.91
26 22 13 00-0144	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	14,986.16	1,056.14
26 22 13 00-0145	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,522.89	1,309.61
26 22 13 00-0146			NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147			Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148			150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	2,903.77	377.16
26 22 13 00-0150	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,541.85	460.97
26 22 13 00-0151	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,273.07	544.78
26 22 13 00-0152	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,768.05	628.60
26 22 13 00-0153	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,742.88	754.32
26 22 13 00-0154	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,662.19	838.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,829.54	1,047.67
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,113.09	1,299.11
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,550.48	377.16
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,325.21	460.97
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,228.33	544.78
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,121.52	628.60
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,139.87	754.32
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,057.97	838.13
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,050.02	1,047.67
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,767.55	1,299.11
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,194.58	377.16
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,110.75	460.97
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,183.60	544.78
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,472.82	628.60
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,902.43	754.32
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,453.74	838.13
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,270.50	1,047.67
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,422.02	1,299.11
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	3,979.15	377.16
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,849.63	460.97
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,863.72	544.78
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,022.38	628.60
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,928.54	754.32
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,737.84	838.13
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,306.53	1,047.67
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,031.55	1,299.11
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,623.25	377.16
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,635.17	460.97
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,818.99	544.78
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,375.86	628.60
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,357.92	754.32

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,146.41	838.13
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	23,172.07	1,047.67
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	34,624.58	1,299.11
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,269.52	377.16
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,420.70	460.97
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,774.25	544.78
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,727.15	628.60
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,112.74	754.32
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,143.73	838.13
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	28,035.43	1,047.67
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	41,487.68	1,299.11
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small>		
Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	522.01	150.34
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small>		
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BILL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small>		
Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	494.15	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>		
Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA	4,134.00	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.73	
26 22 13 00-0220 EA Containment Area For 112.5 KVA	4,134.00	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.73	
26 22 13 00-0221 EA Containment Area For 150 KVA	4,134.00	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.73	
26 22 13 00-0222 EA Containment Area For 225 KVA	4,134.00	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.73	
26 22 13 00-0223 EA Containment Area For 300 KVA	4,128.46	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,027.07	
26 22 13 00-0224 EA Containment Area For 500 KVA	4,128.46	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,027.07	
26 22 13 00-0225 EA Containment Area For 750 KVA	4,148.81	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,027.07	
26 22 13 00-0226 EA Containment Area For 1,000 KVA	4,443.84	1,543.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,027.07	
26 22 13 00-0227 Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>		
Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,428.16	1,005.76
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,864.18	1,005.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,154.85	1,005.76
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,026.88	1,005.76
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,847.59	1,508.64
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,138.26	1,508.64
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,626.37	1,508.64
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	14,925.77	2,011.53
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,704.55	2,011.53
26 22 13 00-0237 Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>		
<small>Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.</small>		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,573.50	1,005.76
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,154.85	1,005.76
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,300.19	1,005.76
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,445.53	1,005.76
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,847.59	1,508.64
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,428.94	1,508.64
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,626.37	1,508.64
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,071.10	2,011.53
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,704.55	2,011.53
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small>		
<small>Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,325.92	1,355.53
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,364.92	1,600.24
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,881.04	1,955.84
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,964.32	2,200.54
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	16,568.80	2,316.29
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	20,936.00	3,384.42
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	24,360.45	3,828.94
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	29,941.95	4,401.08
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	32,708.92	4,621.13
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,966.63	5,149.44
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	39,548.62	5,501.53
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	34,695.59	3,735.14
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	42,399.12	4,295.44
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	47,855.17	4,521.48
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	51,074.21	5,053.44
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	56,811.05	5,206.57
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small>		
<small>Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	14,971.06	1,600.24
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,431.55	1,955.84
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,124.30	2,200.54
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,642.98	2,316.29
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,068.20	3,384.42
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	34,930.35	3,828.94
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,151.95	4,401.08
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,586.50	4,621.13
26 22 13 00-0274 Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	138.74	28.66
<small>Note: Excludes site prep.</small>		

26 24 Switchboards And Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002		Incoming Service Section Main Device Only (26 24 13 00-0001)		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,809.42	719.22
26 24 13 00-0004	EA	600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,106.11	760.75
26 24 13 00-0005	EA	800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,978.42	862.96
26 24 13 00-0006	EA	1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,362.35	925.12
26 24 13 00-0007	EA	1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,552.19	986.37
26 24 13 00-0008	EA	2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,530.94	1,048.79
26 24 13 00-0009	EA	400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,385.53	719.22
26 24 13 00-0010	EA	600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,320.27	760.75
26 24 13 00-0011	EA	800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,000.93	863.69
26 24 13 00-0012	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,182.14	925.12
26 24 13 00-0013	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,552.19	987.36
26 24 13 00-0014	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,530.94	1,048.79
26 24 13 00-0015	EA	2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	11,437.04	1,096.47
26 24 13 00-0016	EA	3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	12,959.28	1,174.67
26 24 13 00-0017	EA	4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	15,284.00	1,266.27
26 24 13 00-0018	EA	400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	1,923.02	637.25
26 24 13 00-0019	EA	600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,121.32	678.44
26 24 13 00-0020	EA	800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,430.22	780.97
26 24 13 00-0021	EA	1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,617.73	813.79
26 24 13 00-0022	EA	1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,784.58	843.13
26 24 13 00-0023	EA	1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,048.89	903.98
26 24 13 00-0024	EA	2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,296.00	965.98
26 24 13 00-0025		Branch Breaker Units (26 24 13 00-0001)		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 - 60 Amp MC Branch Breaker, 240 Volt	237.12	25.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 24 13 00-0027	EA	70 - 100 Amp MC Branch Breaker, 240 Volt	347.71	39.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.68	
26 24 13 00-0028	EA	125 - 225 Amp MC Branch Breaker, 240 Volt	930.35	71.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.17	
26 24 13 00-0029	EA	100 - 400 Amp MC Branch Breaker, 240 Volt	1,648.20	93.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.24	
26 24 13 00-0030	EA	300 - 600 Amp MC Branch Breaker, 240 Volt	2,942.46	230.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0031	EA	400 - 800 Amp MC Branch Breaker, 240 Volt	4,696.51	230.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0032	EA	600 - 1,200 Amp MC Branch Breaker, 240 Volt	7,618.26	410.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.18	
26 24 13 00-0033		Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034		Incoming Service Section Main Device Only (26 24 13 00-0033)		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	3,973.93	933.26
26 24 13 00-0036	EA	600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,434.05	933.26
26 24 13 00-0037	EA	800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	6,530.03	1,212.82
26 24 13 00-0038	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	7,392.82	1,212.82
26 24 13 00-0039		Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040		Incoming Service Section Main Device Only (26 24 13 00-0039)		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,527.13	637.25
26 24 13 00-0042	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,810.57	678.44
26 24 13 00-0043	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,278.98	780.97
26 24 13 00-0044	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,648.47	842.48
26 24 13 00-0045	EA	200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,074.03	637.25
26 24 13 00-0046	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,869.31	678.44
26 24 13 00-0047	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	5,414.84	780.97
26 24 13 00-0048	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	7,746.38	842.48
26 24 13 00-0049	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	9,089.59	945.59
26 24 13 00-0050	EA	200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	1,780.72	554.94
26 24 13 00-0051	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	1,992.84	596.21
26 24 13 00-0052	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,339.31	698.75
26 24 13 00-0053	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,515.97	731.56
26 24 13 00-0054	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,686.64	760.75
26 24 13 00-0055	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,914.18	813.79
26 24 13 00-0056	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,136.44	862.96
26 24 13 00-0057	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,893.07	1,068.92
26 24 13 00-0058	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,355.05	1,171.70
26 24 13 00-0059	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	5,112.32	1,264.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0060 Branch Breaker Units <small>(26 24 13 00-0039)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	128.42	21.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	204.18	36.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	615.32	50.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.34	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,760.08	64.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.97	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	2,778.75	158.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.96	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	3,942.66	158.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.96	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	6,505.77	302.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.33	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0069 Incoming Service Section Main Device Only <small>(26 24 13 00-0068)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,810.42	719.22
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,104.99	760.75
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,976.96	862.96
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,360.68	925.12
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,548.39	986.37
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,530.94	1,048.79
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,386.53	719.22
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,319.15	760.75
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,000.93	863.69
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,180.47	925.12
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,550.28	987.36
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,530.94	1,048.79
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,014.12	637.25
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,248.48	678.44
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,620.76	780.97
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,817.19	813.79
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,006.82	843.13
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,262.83	903.98
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,522.42	965.98
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,176.51	1,097.71
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,616.98	1,174.59
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,438.90	1,262.16
26 24 13 00-0092 Branch Breaker Units <small>(26 24 13 00-0068)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	237.12	25.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	347.71	39.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.68	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	930.35	71.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.17	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,648.20	93.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.24	
26 24 13 00-0097 EA 300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	2,942.46	230.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	4,696.51	230.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	7,618.26	410.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.18	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0101 Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,648.52	986.37
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,001.20	1,048.79
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,658.87	1,170.64
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,183.22	1,253.44
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,626.62	986.37
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,193.47	1,048.79
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,015.93	1,171.95
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,837.08	1,253.44
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,248.74	1,336.57
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,272.62	1,419.61
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,014.12	637.25

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,248.48	678.44
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,620.76	780.97
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,817.19	813.79
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,006.82	843.13
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,262.83	903.98
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,522.42	965.98
26 24 13 00-0119 Branch Breaker Units <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	488.37	25.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	563.90	39.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.68	
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,022.67	71.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.17	
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	1,648.20	93.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.24	
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	3,949.78	230.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	4,039.76	230.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	6,485.90	410.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.18	
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small>		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	506.75	64.55
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	505.00	64.55
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	505.00	64.55
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	791.09	85.10
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	791.09	85.10
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	578.70	63.31
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	841.13	63.31
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,162.68	170.61
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	648.46	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	646.71	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	646.71	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	973.10	97.44
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	973.10	97.44
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	700.41	71.53
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,128.22	71.53
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	2,893.07	191.01
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,128.88	244.70
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	7,673.63	331.53
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	913.37	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	911.60	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	913.37	72.76
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,372.81	97.44
For Electrical Interlock Kit, Add	204.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,402.40 204.29	97.44
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,978.72 204.29	127.45
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	985.73 204.29	71.53
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,490.45 195.71	71.53
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	3,627.83 195.71	191.01
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	4,406.99	244.70
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	7,673.63	331.53
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Type WRI Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	1,896.83	756.47
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,257.20	756.47
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,513.82	962.03
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,779.46	962.03
26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,138.57	875.70
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,488.44	875.70
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,779.46	1,085.37
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,018.09	1,085.37
26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,512.73	1,068.92
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,871.58	1,068.92
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,181.23	1,315.60
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,530.83	1,315.60
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,085.63	1,171.70
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,516.32	1,171.70
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,885.07	1,447.16
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,189.61	1,447.16
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,238.06	1,175.82
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,704.56	1,323.83
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,779.65	1,323.83
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,941.01	1,397.82
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,418.45	1,323.83
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,492.42	1,323.83
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,653.78	1,397.82
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,523.87	1,397.82
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,653.78	1,397.82
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,712.05	1,397.82
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	396.14	98.67
26 24 13 00-0200 EA Drilled Bottom.....	446.81	98.67
26 24 13 00-0201 EA Cable Supports In Pull Box.....	157.75	24.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	386.29	115.12
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	663.57	148.00
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	663.57	148.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	498.74	115.12
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	710.55	168.56
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	812.27	168.56
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	853.10	217.89
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	902.85	217.89
26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,086.38	685.19
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,379.62	744.79
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,241.03	951.68
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,637.90	1,038.17
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,945.95	1,105.18
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	3,639.28	601.07
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp.....	2,106.93	570.97
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp.....	2,332.56	619.16
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,899.67	685.19
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,151.54	686.99
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,477.55	767.00
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	1,119.51	41.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.11	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	1,145.62	41.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.66	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	655.68	49.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.91	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,082.49	106.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.99	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	434.91	148.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,207.78	85.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.91	
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,600.21	356.85
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,272.47	482.58
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,556.35	587.33
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,236.21	822.25
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,011.59	1,027.82
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,405.57	1,027.82
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,454.08	1,370.44
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,209.52	1,370.44
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,304.90	1,631.43
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,694.98	1,631.43
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,558.13	863.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	516.92	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,122.60	1,438.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	862.50	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	22,675.85	2,417.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,437.50	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	36,547.72	3,913.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,390.26	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	1,891.75	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	244.31	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	320.52	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	230.86	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,497.59	904.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	545.26	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,044.61	1,521.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	908.23	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	25,449.68	2,507.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,511.49	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	39,351.63	4,111.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,527.41	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	4,439.04	789.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	474.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	8,103.32	1,323.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	790.62	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	12,045.65	2,220.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,317.71	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip	20,769.44	3,576.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,194.62	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	33,817.71	5,837.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,649.04	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241)		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	5,210.96	756.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.45	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	9,703.42	1,266.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.90	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,862.34	2,104.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,258.55	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,883.50	3,428.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,097.58	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	35,838.70	5,879.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,503.91	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	1,932.51	690.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.86	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,790.75	690.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	432.76	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,094.20	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	474.38	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,666.41	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	513.91	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	5,394.05	986.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.18	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	8,649.32	986.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	622.92	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	242.07	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	56.04	
26 24 13 00-0277 Switchboard Branch Breaker 480 V (26 24 13 00-0240)		
26 24 13 00-0278 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	391.42	59.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.75	
26 24 13 00-0279 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	462.91	79.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.44	
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,323.50	119.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.46	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,748.33	149.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.63	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,118.78	200.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.21	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,560.93	256.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.17	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.13	391.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.93	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.13	391.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.93	
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,772.97	548.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.90	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,222.46	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.35	
26 24 13 00-0288 Switchboard 277/480 V Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker	4,662.84	356.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.13	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker	4,730.68	390.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.48	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker	5,123.72	587.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.39	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker	8,738.91	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.35	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker	8,913.55	909.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.74	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker	11,826.37	1,631.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	978.87	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0296			3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0296)</small> Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA		15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 330.38	330.38	29.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 19.73		
26 24 13 00-0298	EA		70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 337.57	337.57	37.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 24.67		
26 24 13 00-0299	EA		125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 787.73	787.73	44.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.60		
26 24 13 00-0300	EA		70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 1,138.41	1,138.41	57.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 38.24		
26 24 13 00-0301	EA		125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 1,599.62	1,599.62	71.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.36		
26 24 13 00-0302	EA		300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 2,089.72	2,089.72	83.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.50		
26 24 13 00-0303	EA		900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 3,171.82	3,171.82	93.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 62.66		
26 24 13 00-0304			2 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0296)</small> Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA		15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 228.63	228.63	22.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 14.80		
26 24 13 00-0306	EA		70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 294.35	294.35	29.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 19.73		
26 24 13 00-0307	EA		125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 780.96	780.96	37.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 24.67		
26 24 13 00-0308	EA		70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 1,227.48	1,227.48	41.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 27.13		
26 24 13 00-0309	EA		125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 1,302.99	1,302.99	53.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.77		
26 24 13 00-0310	EA		900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 2,928.91	2,928.91	77.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.80		
26 24 13 00-0311			Meter Devices And Instrumentation <small>(26 24 13)</small> Note: Factory installed accessories.		
26 24 13 00-0312			Instrument Transformers And Metering Compartments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313	EA		800 Amp And Below Primary Current Transformer, With Compartment 292.50	292.50	
26 24 13 00-0314	EA		1,000 - 1,500 Amp Primary Current Transformer, With Compartment 422.51	422.51	
26 24 13 00-0315	EA		2,000 - 6,000 Amp Primary Current Transformer, With Compartment 497.59	497.59	
26 24 13 00-0316	EA		Potential Transformer With 200 VA Max 358.63	358.63	
26 24 13 00-0317	EA		5 To 800 Amp, Three Current Transformers 1,239.51	1,239.51	
26 24 13 00-0318	EA		1,000 To 1,500 Amp, Three Current Transformers 2,201.47	2,201.47	
26 24 13 00-0319	EA		2,000 To 4,000 Amp, Three Current Transformers 2,864.64	2,864.64	
26 24 13 00-0320			Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321	EA		AC Voltmeter 398.97	398.97	
26 24 13 00-0322	EA		AC Ammeter 398.97	398.97	
26 24 13 00-0323	EA		AC Wattmeter 1,065.79	1,065.79	
26 24 13 00-0324	EA		Variometer 1,203.64	1,203.64	
26 24 13 00-0325	EA		Power Factor Meter 961.56	961.56	
26 24 13 00-0326	EA		Frequency Meter 1,061.31	1,061.31	
26 24 13 00-0327	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block 1,350.45	1,350.45	
26 24 13 00-0328	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2 2,259.34	2,259.34	
26 24 13 00-0329	EA		Weatherproof, Modify Meter 2,198.08	2,198.08	
26 24 13 00-0330	EA		Control Switch Resistor Type 130 V 52.11	52.11	
26 24 13 00-0331	EA		Metering Instrument Volt, Amp And Watt Hour 2,725.33	2,725.33	
26 24 16			Panelboards <small>(26 24)</small>		
26 24 16 00-0001			Branch Circuit Panelboard <small>(26 24 16)</small> Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing.		
26 24 16 00-0002			Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003			120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity 760.21	760.21	234.34
			<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0005	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 875.73	875.73	234.34
			<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0006	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 997.86	997.86	324.79
			<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0007 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,114.44 <i>348.00</i>	324.79
26 24 16 00-0008 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,231.55 <i>348.00</i>	407.02
26 24 16 00-0009 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,354.01 <i>348.00</i>	407.02
26 24 16 00-0010 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,465.15 <i>348.00</i>	468.69
26 24 16 00-0011 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,755.03 <i>348.00</i>	600.24
26 24 16 00-0012 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,871.91 <i>348.00</i>	600.24
26 24 16 00-0013 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,305.03 <i>348.00</i>	686.58
26 24 16 00-0014 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,478.25 <i>348.00</i>	686.58
26 24 16 00-0015 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,585.60 <i>348.00</i>	772.91
26 24 16 00-0016 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,743.86 <i>348.00</i>	772.91
26 24 16 00-0017 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,848.78 <i>348.00</i>	855.14
26 24 16 00-0018 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,006.94 <i>348.00</i>	855.14
26 24 16 00-0019 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,183.44 <i>348.00</i>	945.59
26 24 16 00-0020 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,243.93 <i>348.00</i>	945.59
26 24 16 00-0021 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,455.54 <i>348.00</i>	945.59
26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	825.21 <i>348.00</i>	226.12
26 24 16 00-0024 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	942.50 <i>348.00</i>	226.12
26 24 16 00-0025 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,251.58 <i>348.00</i>	386.46
26 24 16 00-0026 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,370.78 <i>348.00</i>	386.46
26 24 16 00-0027 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,489.07 <i>348.00</i>	472.80
26 24 16 00-0028 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,615.80 <i>348.00</i>	472.80
26 24 16 00-0029 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,722.97 <i>348.00</i>	567.35
26 24 16 00-0030 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,389.05 <i>348.00</i>	567.35
26 24 16 00-0031 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,496.13 <i>348.00</i>	694.80
26 24 16 00-0032 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,612.52 <i>348.00</i>	694.80
26 24 16 00-0033 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,740.10 <i>348.00</i>	781.14
26 24 16 00-0034 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,843.35 <i>348.00</i>	781.14

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0035 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,953.51 348.00	855.14
26 24 16 00-0036 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,071.64 348.00	855.14
26 24 16 00-0037 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,199.04 348.00	1,011.37
26 24 16 00-0038 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,337.28 348.00	1,011.37
26 24 16 00-0039 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,488.36 348.00	1,011.37
26 24 16 00-0040 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,581.55 348.00	1,068.92
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,028.19 348.00	267.23
26 24 16 00-0043 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,155.66 348.00	267.23
26 24 16 00-0044 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,300.00 348.00	357.68
26 24 16 00-0045 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,451.20 348.00	357.68
26 24 16 00-0046 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,587.02 348.00	439.90
26 24 16 00-0047 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,732.26 348.00	439.90
26 24 16 00-0048 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,868.86 348.00	522.13
26 24 16 00-0049 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,010.97 348.00	522.13
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,142.09 348.00	612.58
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,293.07 348.00	612.58
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,447.77 348.00	707.14
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,598.72 348.00	707.14
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,902.99 348.00	855.14
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,007.56 348.00	855.14
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,183.17 348.00	949.70
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,343.89 348.00	949.70
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,456.36 348.00	1,036.04
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,618.35 348.00	1,036.04
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,501.30 348.00	919.27
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,616.62 348.00	966.15
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,800.38 348.00	1,017.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,973.59 348.00	1,077.15
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,093.36 348.00	1,110.03
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,288.40 348.00	1,177.88
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0062)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,215.38 348.00	259.00
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,344.51 348.00	259.00
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,497.33 348.00	341.23
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,706.79 348.00	341.23
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,025.81 348.00	513.91
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,158.29 348.00	513.91
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,302.20 348.00	600.24
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,422.68 348.00	600.24
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,583.88 348.00	694.80
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,695.30 348.00	694.80
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,872.80 348.00	781.14
26 24 16 00-0078 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,024.25 348.00	781.14
26 24 16 00-0079 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,959.60 348.00	904.48
26 24 16 00-0080 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,131.82 348.00	953.81
26 24 16 00-0081 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,203.37 348.00	953.81
26 24 16 00-0082 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,395.78 348.00	1,077.15
26 24 16 00-0083 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,532.73 348.00	1,077.15
26 24 16 00-0084 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,618.96 348.00	1,077.15
26 24 16 00-0085 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,678.71 348.00	990.82
26 24 16 00-0086 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,866.17 348.00	1,048.36
26 24 16 00-0087 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,939.93 348.00	1,077.15
26 24 16 00-0088 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,147.06 348.00	1,142.93
26 24 16 00-0089 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,283.02 348.00	1,175.82
26 24 16 00-0090 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,408.43 348.00	1,216.94

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,155.03	263.12
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,322.66	263.12
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,483.22	361.79
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,650.82	361.79
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,806.91	452.24
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,971.56	452.24
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,143.53	546.79
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,300.86	546.79
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,474.15	649.58
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,641.35	649.58
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,794.80	740.03
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,959.44	740.03
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,312.92	900.36
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,477.38	900.36
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0106	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,652.68	986.71
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0107	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,779.74	986.71
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0108	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,975.18	1,089.48
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0109	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,113.74	1,089.48
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,466.52	279.56
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0112	EA		50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,630.23	304.24
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0113	EA		50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,795.81	378.23
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0114	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,375.41	460.46
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0115	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,544.42	509.80
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0116	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,699.00	550.91
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0117	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,868.78	600.24
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0118	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,032.38	649.58
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,182.53	690.69
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,343.21	731.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,516.61	781.14
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,705.61	842.81
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,685.94	937.36
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,867.39	994.92
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,997.93	1,019.59
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,201.38	1,085.37
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,344.53	1,126.48
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,492.77	1,161.84
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,662.76	287.79
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,947.31	287.79
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,226.86	382.34
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,507.93	382.34
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,792.10	472.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,072.28	472.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,355.56	567.35
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,638.03	567.35
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,938.19	666.02
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,204.47	666.02
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,480.65	670.13
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,768.76	670.13
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,258.25	929.15
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,547.13	929.15
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,790.23	978.48
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	6,097.59	1,044.26
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	6,351.19	1,044.26
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,682.65 348.00	1,142.93
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,025.00 348.00	353.57
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,314.11 348.00	353.57
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,595.78 348.00	468.69
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,117.36 348.00	468.69
26 24 16 00-0153 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,406.66 348.00	592.03
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,695.67 348.00	592.03
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,978.49 348.00	678.36
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,247.87 348.00	678.36
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,527.78 348.00	772.91
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,820.41 348.00	772.91
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,086.86 348.00	855.14
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,361.27 348.00	855.14
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,112.90 348.00	1,011.37
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,420.26 348.00	1,011.37
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,673.86 348.00	1,105.92
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,005.32 348.00	1,105.92
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,272.79 348.00	1,208.71
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	10,054.59 348.00	1,208.71
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	9,882.85	1,346.03
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity.....	12,052.86	1,615.72
26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	442.83 328.00	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	510.05 328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	696.84	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	804.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	911.14	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,020.04	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,107.85	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,213.67	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,328.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,416.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,548.12	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	659.43	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	748.03	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,200.32	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,333.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,459.73	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,519.60	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,671.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,808.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	889.70	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	951.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,127.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,233.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,332.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,523.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,605.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,706.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,860.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,945.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,069.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,101.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,184.27	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,714.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,837.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,955.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,004.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,151.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,287.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00- 0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	499.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	587.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	662.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	751.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	865.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	958.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,105.99	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,192.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,287.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,423.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,570.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,855.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0227				Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA			100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 772.78		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0229	EA			100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 871.87		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0230	EA			100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,003.61		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0231	EA			225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,483.50		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0232	EA			225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,606.91		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0233	EA			225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,723.34		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0234	EA			400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 2,380.26		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0235	EA			400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 2,522.10		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0236	EA			400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 2,639.57		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0237				Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA			100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 946.41		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0239	EA			100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,029.64		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0240	EA			100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,098.78		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0241	EA			225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,182.86		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0242	EA			225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,294.56		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0243	EA			225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,379.86		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0244	EA			400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,609.46		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0245	EA			400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,690.23		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0246	EA			400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,780.63		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0247	EA			600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,955.76		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0248	EA			600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 2,092.65		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0249	EA			600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 2,377.33		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0250				Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA			100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,214.54		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0252	EA			100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,308.10		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		
26 24 16 00-0253	EA			100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard 1,436.86		
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i> 328.00		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0254 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,997.20	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0255 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,110.39	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0256 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,219.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0257 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,311.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0258 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,457.90	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0259 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,582.86	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	713.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0263 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	783.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0264 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,083.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0265 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,209.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0266 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.59	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0267 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.42	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0268 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,389.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0269 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,509.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0270 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,604.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0271 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,719.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0272 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,878.54	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,456.58	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,502.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0276 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,631.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0277 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,720.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0278 EA 125 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,899.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,467.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,577.94	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,720.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,813.09	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,964.40	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,100.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,144.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,215.24	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,505.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,704.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.47	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,863.44	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,965.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,102.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,207.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,344.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,980.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,026.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,056.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,141.64	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,394.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,954.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,052.05	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,176.37	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,268.90	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,408.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0308	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,543.28 328.00	
26 24 16 00-0309			480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0310			Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	742.15 328.00	
26 24 16 00-0312	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	813.06 328.00	
26 24 16 00-0313	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	941.31 328.00	
26 24 16 00-0314	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,126.26 328.00	
26 24 16 00-0315	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,252.59 328.00	
26 24 16 00-0316	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,360.29 328.00	
26 24 16 00-0317	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,373.69 328.00	
26 24 16 00-0318	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,459.13 328.00	
26 24 16 00-0319	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,578.76 328.00	
26 24 16 00-0320	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,673.17 328.00	
26 24 16 00-0321	EA		600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,789.20 328.00	
26 24 16 00-0322	EA		600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,948.76 328.00	
26 24 16 00-0323			Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA		100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,605.54 328.00	
26 24 16 00-0325	EA		100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,651.90 328.00	
26 24 16 00-0326	EA		100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,790.37 328.00	
26 24 16 00-0327	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,836.33 328.00	
26 24 16 00-0328	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,925.42 328.00	
26 24 16 00-0329	EA		125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,103.77 328.00	
26 24 16 00-0330	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,707.84 328.00	
26 24 16 00-0331	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,819.43 328.00	
26 24 16 00-0332	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,960.54 328.00	
26 24 16 00-0333	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,100.88 328.00	
26 24 16 00-0334	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,253.61 328.00	
26 24 16 00-0335	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,390.06 328.00	
26 24 16 00-0336			Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,173.71 328.00	
26 24 16 00-0338	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,244.61 328.00	
26 24 16 00-0339	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,366.48 328.00	
26 24 16 00-0340	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,547.60 328.00	
26 24 16 00-0341	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,747.98 328.00	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0342	EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		1,847.17	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0343	EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		1,861.84	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0344	EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		1,933.24	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0345	EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		2,034.57	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0346	EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		2,171.54	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0347	EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		2,276.93	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0348	EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....		2,413.51	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0349	Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>			
26 24 16 00-0350	EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,026.87	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0351	EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,073.24	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0352	EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,285.76	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0353	EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,261.50	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0354	EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,346.76	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0355	EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		2,599.16	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0356	EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,194.72	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0357	EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,293.54	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0358	EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,416.35	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0359	EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,556.69	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0360	EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,697.51	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0361	EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....		3,831.83	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>		328.00	
26 24 16 00-0362	600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>			
	Note: Square D I-Line or equal.			
26 24 16 00-0363	Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>			
26 24 16 00-0364	EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....		1,285.48	244.68
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		146.82	
26 24 16 00-0365	EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....		1,498.80	244.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		146.78	
26 24 16 00-0366	EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....		1,659.45	244.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		146.78	
26 24 16 00-0367	EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....		1,912.02	401.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		241.03	
26 24 16 00-0368	EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....		2,036.36	401.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		241.03	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,172.80	401.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.03	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,363.08	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,482.97	535.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.38	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,531.43	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,925.90	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,830.09	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,098.57	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,318.09	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,586.02	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,449.49	249.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.91	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,208.72	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,363.87	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,820.50	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,997.65	464.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.75	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,254.29	465.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.50	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,465.29	464.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.75	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,324.07	621.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.66	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,627.22	618.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.34	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,929.81	618.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.34	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	40.33	14.80
<i>For Bolt-On, Add</i>	10.80	
<i>For Installation In New Panelboard, Deduct</i>	-8.22	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	40.33	14.80
<i>For Bolt-On, Add</i>	10.80	
<i>For Installation In New Panelboard, Deduct</i>	-8.22	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	58.29	18.50
<i>For Bolt-On, Add</i>	14.48	
<i>For Installation In New Panelboard, Deduct</i>	-10.28	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	86.18	18.09
For Bolt-On, Add	17.68	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	119.95	18.09
For Bolt-On, Add	21.90	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	139.21	18.09
For Bolt-On, Add	24.31	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	67.58	18.09
For Bolt-On, Add	15.35	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	66.51	22.20
For Bolt-On, Add	16.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	66.51	22.20
For Bolt-On, Add	16.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	100.14	29.60
For Bolt-On, Add	24.03	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	165.27	37.00
For Bolt-On, Add	35.05	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	194.66	41.11
For Bolt-On, Add	40.16	
For Installation In New Panelboard, Deduct	-22.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	164.69	26.31
For Bolt-On, Add	30.95	
For Installation In New Panelboard, Deduct	-14.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.76	
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	219.93	26.31
For Bolt-On, Add	37.85	
For Installation In New Panelboard, Deduct	-14.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.76	
26 24 16 00-0405 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	125.91	29.60
For Bolt-On, Add	27.25	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0406 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	125.91	29.60
For Bolt-On, Add	27.25	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	164.95	37.00
For Bolt-On, Add	35.01	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	248.94	44.40
For Bolt-On, Add	48.38	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	317.37	51.80
For Bolt-On, Add	59.82	
For Installation In New Panelboard, Deduct	-28.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.54	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0410			Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
			Note: Includes connection of electrical wire.		
26 24 16 00-0411	EA		1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	57.83	14.80
			For Bolt-On, Add	12.98	
			For Installation In New Panelboard, Deduct	-8.22	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0412	EA		1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	57.83	14.80
			For Bolt-On, Add	12.98	
			For Installation In New Panelboard, Deduct	-8.22	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0413	EA		1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	103.02	18.50
			For Bolt-On, Add	20.07	
			For Installation In New Panelboard, Deduct	-10.28	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0414	EA		1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	158.16	18.09
			For Bolt-On, Add	26.68	
			For Installation In New Panelboard, Deduct	-9.87	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0415	EA		2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	112.58	22.20
			For Bolt-On, Add	22.71	
			For Installation In New Panelboard, Deduct	-12.33	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0416	EA		2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	112.58	22.20
			For Bolt-On, Add	22.71	
			For Installation In New Panelboard, Deduct	-12.33	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0417	EA		2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	221.17	29.60
			For Bolt-On, Add	39.16	
			For Installation In New Panelboard, Deduct	-16.45	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0418	EA		2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	301.20	37.00
			For Bolt-On, Add	52.04	
			For Installation In New Panelboard, Deduct	-20.56	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0419	EA		2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	442.07	41.11
			For Bolt-On, Add	71.09	
			For Installation In New Panelboard, Deduct	-22.61	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 24 16 00-0420	EA		3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	179.36	29.60
			For Bolt-On, Add	33.93	
			For Installation In New Panelboard, Deduct	-16.45	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0421	EA		3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	179.36	29.60
			For Bolt-On, Add	33.93	
			For Installation In New Panelboard, Deduct	-16.45	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0422	EA		3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	267.96	37.00
			For Bolt-On, Add	47.89	
			For Installation In New Panelboard, Deduct	-20.56	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0423	EA		3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	380.90	44.40
			For Bolt-On, Add	64.88	
			For Installation In New Panelboard, Deduct	-24.67	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0424	EA		3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	589.15	51.80
			For Bolt-On, Add	93.79	
			For Installation In New Panelboard, Deduct	-28.78	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.54	
26 24 16 00-0425	EA		3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	679.72	55.51
			For Bolt-On, Add	106.55	
			For Installation In New Panelboard, Deduct	-30.84	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0426	EA		3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	730.22	59.20
			For Bolt-On, Add	114.30	
			For Installation In New Panelboard, Deduct	-32.89	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	863.82	62.90
For Bolt-On, Add	132.44	
For Installation In New Panelboard, Deduct	-34.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.94	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	69.33	14.80
For Bolt-On, Add	14.42	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	69.33	14.80
For Bolt-On, Add	14.42	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	114.38	18.50
For Bolt-On, Add	21.49	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	142.55	22.20
For Bolt-On, Add	26.45	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	142.55	22.20
For Bolt-On, Add	26.45	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	249.91	29.60
For Bolt-On, Add	42.75	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	640.00	37.00
For Bolt-On, Add	94.39	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	228.82	29.60
For Bolt-On, Add	40.11	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	228.82	29.60
For Bolt-On, Add	40.11	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	303.96	37.00
For Bolt-On, Add	52.39	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	792.24	44.40
For Bolt-On, Add	116.30	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	79.10	14.80
For Bolt-On, Add	15.64	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	79.10	14.80
For Bolt-On, Add	15.64	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	93.25	18.50
For Bolt-On, Add	18.85	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	156.86	18.09
For Bolt-On, Add	26.51	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	168.02	22.20
For Bolt-On, Add	29.64	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	168.02	22.20
For Bolt-On, Add	29.64	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	203.76	29.60
For Bolt-On, Add	36.98	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	293.76	37.00
For Bolt-On, Add	51.11	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	379.97	41.11
For Bolt-On, Add	63.32	
For Installation In New Panelboard, Deduct	-22.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	474.42	48.10
For Bolt-On, Add	78.01	
For Installation In New Panelboard, Deduct	-26.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.07	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	511.85	55.51
For Bolt-On, Add	85.57	
For Installation In New Panelboard, Deduct	-30.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	204.19	29.60
For Bolt-On, Add	37.04	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	204.19	29.60
For Bolt-On, Add	37.04	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	239.50	37.00
For Bolt-On, Add	44.33	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	364.04	44.40
For Bolt-On, Add	62.77	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	477.80	57.56
For Bolt-On, Add	82.03	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	590.35	66.60
For Bolt-On, Add	99.69	
For Installation In New Panelboard, Deduct	-37.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.40	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	627.83	70.71
For Bolt-On, Add	105.82	
For Installation In New Panelboard, Deduct	-39.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.87	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	174.39	22.20
For Bolt-On, Add	30.43	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	174.39	22.20
For Bolt-On, Add	30.43	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	265.29	29.60
For Bolt-On, Add	44.67	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	431.25	37.00
For Bolt-On, Add	68.30	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	672.10	46.04
For Bolt-On, Add	102.00	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	761.97	48.10
For Bolt-On, Add	113.95	
For Installation In New Panelboard, Deduct	-26.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.07	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	832.50	55.51
For Bolt-On, Add	125.65	
For Installation In New Panelboard, Deduct	-30.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	250.69	29.60
For Bolt-On, Add	42.85	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	250.69	29.60
For Bolt-On, Add	42.85	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	315.80	37.00
For Bolt-On, Add	53.87	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	536.52	44.40
For Bolt-On, Add	84.33	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	784.36	57.56
For Bolt-On, Add	120.35	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	926.53	66.60
For Bolt-On, Add	141.72	
For Installation In New Panelboard, Deduct	-37.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.40	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	1,002.49	70.71
For Bolt-On, Add	152.65	
For Installation In New Panelboard, Deduct	-39.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.87	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	180.71	22.20
For Bolt-On, Add	31.22	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	180.71	22.20
For Bolt-On, Add	31.22	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	323.68	29.60
For Bolt-On, Add	51.97	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	593.16	37.00
For Bolt-On, Add	88.54	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	939.73	46.04
For Bolt-On, Add	135.45	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,069.77	48.10
For Bolt-On, Add	152.43	
For Installation In New Panelboard, Deduct	-26.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.07	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,164.66	55.51
For Bolt-On, Add	167.17	
For Installation In New Panelboard, Deduct	-30.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	294.48	29.60
For Bolt-On, Add	48.32	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	294.48	29.60
For Bolt-On, Add	48.32	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	391.71	37.00
For Bolt-On, Add	63.35	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	721.52	44.40
For Bolt-On, Add	107.46	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	911.53	57.56
For Bolt-On, Add	136.25	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,455.02	66.60
For Bolt-On, Add	207.78	
For Installation In New Panelboard, Deduct	-37.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.40	
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,549.67	70.71
For Bolt-On, Add	221.05	
For Installation In New Panelboard, Deduct	-39.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.87	
26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0490 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	95.04	14.80
For Bolt-On, Add	17.64	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0491 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	95.04	14.80
For Bolt-On, Add	17.64	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	164.63	18.50
For Bolt-On, Add	27.77	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	206.61	22.20
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	206.61	22.20
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	377.27	29.60
For Bolt-On, Add	58.67	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,362.21	37.00
For Bolt-On, Add	101.92	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,362.57	46.04
For Bolt-On, Add	188.31	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	341.21	29.60
For Bolt-On, Add	54.16	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	341.21	29.60
For Bolt-On, Add	54.16	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	456.64	37.00
For Bolt-On, Add	71.47	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	862.63	44.40
For Bolt-On, Add	125.10	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,694.13	57.56
For Bolt-On, Add	234.07	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	139.94	14.80
For Bolt-On, Add	23.25	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	139.94	14.80
For Bolt-On, Add	23.25	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	212.39	18.50
For Bolt-On, Add	33.74	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	258.57	22.20
For Bolt-On, Add	40.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	258.57	22.20
For Bolt-On, Add	40.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	489.12	29.60
For Bolt-On, Add	72.65	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	889.99	37.00
For Bolt-On, Add	125.64	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,778.94	41.11
For Bolt-On, Add	238.19	
For Installation In New Panelboard, Deduct	-22.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	445.33	29.60
For Bolt-On, Add	67.18	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	445.33	29.60
For Bolt-On, Add	67.18	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	2,617.49	37.00
For Bolt-On, Add	91.58	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,003.75	44.40
For Bolt-On, Add	142.74	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	2,244.16	57.56
For Bolt-On, Add	302.82	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	62.43	14.80
For Bolt-On, Add	13.56	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	132.57	22.20
For Bolt-On, Add	25.20	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	210.79	29.60
For Bolt-On, Add	37.86	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	132.25	14.80
For Bolt-On, Add	22.29	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	132.25	14.80
For Bolt-On, Add	22.29	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	263.34	29.60
For Bolt-On, Add	44.43	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	301.36	22.20
For Bolt-On, Add	46.30	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	301.36	22.20
For Bolt-On, Add	46.30	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	585.58	29.60
For Bolt-On, Add	84.71	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	997.04	37.00
For Bolt-On, Add	139.02	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,203.07	46.04
For Bolt-On, Add	293.37	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0529	EA		3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	506.55	29.60
			<i>For Bolt-On, Add</i>	74.83	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0530	EA		3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	506.55	29.60
			<i>For Bolt-On, Add</i>	74.83	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0531	EA		3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	706.37	37.00
			<i>For Bolt-On, Add</i>	102.69	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0532	EA		3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,081.60	44.40
			<i>For Bolt-On, Add</i>	152.47	
			<i>For Installation In New Panelboard, Deduct</i>	-24.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 24 16 00-0533	EA		3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,739.48	57.56
			<i>For Bolt-On, Add</i>	364.74	
			<i>For Installation In New Panelboard, Deduct</i>	-31.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0534			Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
26 24 16 00-0535			Residential Type Unassembled Load Center <small>(26 24 16 00-0534)</small>		
			<i>Note: Interior box and cover, includes ground bar kit.</i>		
26 24 16 00-0536			Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0537	EA		30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	109.14	41.11
26 24 16 00-0538	EA		70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	368.89	164.45
26 24 16 00-0539	EA		100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	556.07	234.75
26 24 16 00-0540	EA		125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,187.68	493.43
26 24 16 00-0541	EA		150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,298.31	534.47
26 24 16 00-0542			Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
			<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.</i>		
26 24 16 00-0543	EA		60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	150.70	45.22
26 24 16 00-0544	EA		125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	266.36	49.33
26 24 16 00-0545			Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0546	EA		40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	153.16	45.22
26 24 16 00-0547	EA		70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	170.72	49.33
26 24 16 00-0548	EA		100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	605.39	234.75
26 24 16 00-0549	EA		150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,373.37	534.47
26 24 16 00-0550			Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
			<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.</i>		
26 24 16 00-0551	EA		60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	188.23	45.22
26 24 16 00-0552	EA		125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	1,325.03	493.43
26 24 16 00-0553			Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0554	EA		125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,421.42	493.43
26 24 16 00-0555	EA		150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,542.78	534.47
26 24 16 00-0556	EA		300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	5,305.65	822.25
26 24 16 00-0557			Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
			<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.</i>		
26 24 16 00-0558	EA		125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,044.16	493.43
26 24 16 00-0559	EA		150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,229.31	534.47
26 24 16 00-0560	EA		300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	5,829.64	822.25
26 24 16 00-0561			Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562	EA		125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,491.12	493.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0563 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,661.79	534.47
26 24 16 00-0564 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,159.75	493.43
26 24 16 00-0566 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,241.86	534.47
26 24 16 00-0567 Residential Type Assembled Load Center (26 24 16 00-0534)		
26 24 16 00-0568 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	556.39	234.75
26 24 16 00-0570 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	676.05	274.22
26 24 16 00-0571 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	568.18	234.75
26 24 16 00-0572 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	679.27	274.22
26 24 16 00-0573 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	981.92	365.49
26 24 16 00-0574 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,159.34	438.67
26 24 16 00-0575 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,326.28	506.09
26 24 16 00-0576 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,460.30	547.87
26 24 16 00-0577 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,185.96	822.25
26 24 16 00-0578 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,023.73	365.49
26 24 16 00-0579 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,199.01	438.67
26 24 16 00-0580 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,365.95	506.09
26 24 16 00-0581 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,497.83	547.87
26 24 16 00-0582 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,309.27	822.25
26 24 16 00-0583 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,679.62	913.60
26 24 16 00-0584 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,808.29	913.60
26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	736.10	274.22
26 24 16 00-0587 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,097.81	411.13
26 24 16 00-0588 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	771.48	274.22
26 24 16 00-0589 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,129.97	411.13
26 24 16 00-0590 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,387.39	506.09
26 24 16 00-0591 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,514.49	548.20
26 24 16 00-0592 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,852.12	658.04
26 24 16 00-0593 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,228.85	822.25
26 24 16 00-0594 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,424.92	506.09
26 24 16 00-0595 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,556.80	547.87
26 24 16 00-0596 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,996.03	657.55
26 24 16 00-0597 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,373.60	822.25
26 24 16 00-0598 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,711.79	913.60
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,840.45	913.60
26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	731.81	274.22
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,082.80	411.13
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,247.26	438.67
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,430.78	506.34
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,573.46	548.20
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	2,083.92	730.98
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	1,257.98	438.67
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	1,451.72	506.09
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	1,578.24	547.87
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	2,024.95	730.98
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	3,783.99	913.60
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker.....	3,998.44	913.60
26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,873.68	548.20
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,571.96	822.25
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,937.43	547.87
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,636.29	822.25
26 24 16 00-0618 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)		
26 24 16 00-0619 Midget Finger-Safe Fuse Holders (26 24 16 00-0618) Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder.....	47.06	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	53.78	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder.....	74.86	22.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	92.38	22.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder.....	108.10	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	131.37	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	150.85	29.60
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	125.03	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder.....	135.97	37.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	161.53	37.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	53.80	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	57.37	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder.....	54.46	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0633 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)		
Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634 EA Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity.....	1,032.14	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	308.35	
26 24 16 00-0635 EA Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage.....	54.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.04	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening.....	3.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 24 19 Motor-Control Centers (26 24)		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)		
Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	1,908.14	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit.....	2,263.19	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit.....	3,379.44	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	6,143.67	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	12,401.44	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	20,877.66	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit.....	1,908.14	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit.....	2,263.19	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	3,379.44	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	6,143.67	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	12,401.44	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit.....	20,877.66	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,776.01	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit.....	3,706.57	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit.....	5,322.95	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	9,328.31	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	18,386.43	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	31,700.29	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	2,776.01	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	3,706.57	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	5,322.95	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	9,328.31	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	18,386.43	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	31,700.29	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	3,368.18	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	4,644.57	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	6,855.02	135.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.18	
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	12,278.18	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	20,364.12	180.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.25	
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	3,368.18	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	4,644.57	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	6,855.02	135.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.18	
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	12,278.18	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	20,364.12	180.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.25	
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	3,910.50	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	5,830.28	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	7,989.08	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	15,026.46	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	26,052.00	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	3,910.50	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	5,830.28	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	7,989.08	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	15,026.46	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	26,052.00	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, auto-transformer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	5,793.51	78.93
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	8,881.02	86.44
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	14,984.17	97.72
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	23,190.97	112.76
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	39,687.63	150.34
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, auto-transformer.</i>		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	5,793.51	78.93
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	8,881.02	86.44
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	14,984.17	97.72
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	23,190.97	112.76
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit.....	39,687.63	150.34
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, part winding.</i>		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit.....	3,936.34	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		72.16
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit.....	5,090.03	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		83.44
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit.....	8,977.70	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.46
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	15,324.54	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		112.76
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	21,058.09	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		144.34
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, part winding.</i>		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	3,936.34	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		72.16
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	5,090.03	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		83.44
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	8,977.70	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.46
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	15,324.54	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		112.76
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	21,058.09	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		144.34
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, energy saver.</i>		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	16,387.10	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		58.64
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	17,379.13	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		72.16
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	19,189.23	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		83.44
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	29,071.09	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.46
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	39,654.31	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		112.76
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	53,818.33	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		144.34
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, energy saver.</i>		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	16,387.10	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		58.64
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	17,379.13	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		72.16
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	19,189.23	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		83.44
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	29,071.09	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.46
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	39,654.31	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		112.76

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,818.33 144.34	240.55
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,560.88 45.10	75.17
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,915.93 47.36	78.93
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,521.28 49.61	82.68
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,348.28 58.64	97.72
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,964.59 67.66	112.76
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,402.46 90.21	150.34
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,560.88 45.10	75.17
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,915.93 47.36	78.93
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,521.28 49.61	82.68
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,348.28 58.64	97.72
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,964.59 67.66	112.76
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,402.46 90.21	150.34
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,423.24 45.10	75.17
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,346.44 47.36	78.93
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,439.05 49.61	82.68
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,503.50 58.64	97.72
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,898.10 67.66	112.76
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,423.24 45.10	75.17
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,346.44 47.36	78.93
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,439.05 49.61	82.68
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,503.50 58.64	97.72
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,898.10 67.66	112.76
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,004.37 72.16	120.27
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,271.57 76.67	127.79
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,952.73 81.18	135.31
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,427.63 92.46	154.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,855.57 108.25	180.41
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,004.37 72.16	120.27
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,271.57 76.67	127.79
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,952.73 81.18	135.31
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,427.63 92.46	154.10
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,855.57 108.25	180.41
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,621.87 67.66	112.76
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,528.92 72.16	120.27
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,171.47 76.67	127.79
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,247.88 87.95	146.59
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,614.09 103.74	172.90
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,621.87 67.66	112.76
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,528.92 72.16	120.27
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,171.47 76.67	127.79
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,247.88 87.95	146.59
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,614.09 103.74	172.90
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,411.31 47.36	78.93
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,337.27 51.87	86.44
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,486.65 58.64	97.72
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,502.48 67.66	112.76
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,616.95 90.21	150.34
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,411.31 47.36	78.93
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,337.27 51.87	86.44
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,486.65 58.64	97.72

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,502.48 67.66	112.76
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,616.95 90.21	150.34
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,572.53 72.16	120.27
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,713.35 83.44	139.07
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,068.06 92.46	154.10
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,858.28 112.76	187.93
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,357.24 144.34	240.55
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,572.53 72.16	120.27
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,713.35 83.44	139.07
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,068.06 92.46	154.10
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,858.28 112.76	187.93
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,357.24 144.34	240.55
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,914.81 58.64	97.72
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,901.32 72.16	120.27
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,693.04 83.44	139.07
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,488.48 92.46	154.10
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,977.92 112.76	187.93
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,037.65 144.34	240.55
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,914.84 58.64	97.72
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,901.32 72.16	120.27
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,693.04 83.44	139.07
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,488.48 92.46	154.10
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,977.92 112.76	187.93
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,037.65 144.34	240.55
26 24 19 00-0181 Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.85	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,345.93	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.50	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.73	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.21	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.02	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.85	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,345.93	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.50	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.73	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.21	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.02	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.11	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.09	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.66	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.14	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.75	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,160.78	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.11	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.09	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.66	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.14	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.75	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,160.78	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,213.73	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,431.28	127.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.67	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	6,992.92	135.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.18	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	12,517.21	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	19,961.45	180.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.25	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,213.73	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,431.28	127.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.67	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	6,992.92	135.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.18	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0220	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,517.21 92.46	154.10
26 24 19 00-0221	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,961.45 108.25	180.41
26 24 19 00-0222			230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,686.17 45.10	75.17
26 24 19 00-0224	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,631.70 47.36	78.93
26 24 19 00-0225	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,117.79 49.61	82.68
26 24 19 00-0226	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,383.43 58.64	97.72
26 24 19 00-0227			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,686.17 45.10	75.17
26 24 19 00-0229	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,631.70 47.36	78.93
26 24 19 00-0230	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,117.79 49.61	82.68
26 24 19 00-0231	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,383.43 58.64	97.72
26 24 19 00-0232			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,593.09 47.36	78.93
26 24 19 00-0234	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,890.47 51.87	86.44
26 24 19 00-0235	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,491.91 58.64	97.72
26 24 19 00-0236	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,025.23 67.66	112.76
26 24 19 00-0237	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,014.15 90.21	150.34
26 24 19 00-0238			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,593.09 47.36	78.93
26 24 19 00-0240	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,890.47 51.87	86.44
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,491.91 58.64	97.72
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,025.23 67.66	112.76
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,014.15 90.21	150.34
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,960.24 72.16	120.27
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,248.15 83.44	139.07
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,374.61 92.46	154.10
26 24 19 00-0248	EA		75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.47 112.76	187.93
26 24 19 00-0249			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250	EA		15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,960.24 72.16	120.27
26 24 19 00-0251	EA		40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,248.15 83.44	139.07
26 24 19 00-0252	EA		75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,374.61 92.46	154.10
26 24 19 00-0253	EA		150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.47 112.76	187.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.26	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.13	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.23	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.09	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.31	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.33	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.26	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.13	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.23	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.09	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.31	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.33	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	
26 24 19 00-0268 Starter Accessories (26 24 19)		
26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270 EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	90.94	
26 24 19 00-0271 EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	286.84	
26 24 19 00-0272 EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03	
26 24 19 00-0273 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97	
26 24 19 00-0274 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26	
26 24 19 00-0275 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	60.68	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	51.48	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary.....	38.26	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	47.30	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	92.51	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	47.30	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	54.25	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer.....	65.38	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To.....	77.21	
26 24 19 00-0285 EA Blank Devices Panel.....	14.61	
26 24 19 00-0286 EA Oversize Or Special Color Starter.....	22.95	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	213.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	195.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable	271.27	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	22.95	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	32.69	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard	22.95	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In	32.69	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	32.69	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	47.30	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay.....	117.55	
26 24 19 00-0297 EA Heater Module	38.47	
26 24 19 00-0298 EA LAM - Long Acceleration Module.....	239.01	
26 24 19 00-0299 EA JAM - Jam Protection Module.....	273.99	
26 24 19 00-0300 EA PUM - Phase Unbalance Module.....	519.99	
26 24 19 00-0301 EA ULM - Underload Module.....	249.50	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer.....	54.80	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit.....	102.60	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0304 EA Type SIS Control Wire	43.14	
26 24 19 00-0305 EA Ring Or Spade Terminals Control	54.80	
26 24 19 00-0306 EA Ring Terminals Power	54.80	
26 24 19 00-0307 EA 14 Gauge Control Wire	43.14	
26 24 19 00-0308 EA Wiremakers	54.80	
26 24 19 00-0309 EA Wiring Diagram On Door	32.65	
26 24 19 00-0310 EA Special Color Or Type Control Wire	39.64	
26 24 19 00-0311 EA Current Transformer 12.5 VA	311.30	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	994.52	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,119.27	
26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)		
26 24 19 00-0315 EA Control Relays, 600 Volt, 2 Pole	348.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 24 19 00-0316 EA Control Relays, 600 Volt, 4 Pole	412.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 24 19 00-0317 EA Control Relays, 600 Volt, 6 Pole	484.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 24 19 00-0318 EA Control Relays, 600 Volt, 8 Pole	539.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.55	
26 24 19 00-0319 EA Control Relays, Pneumatic Timer	459.66	
26 24 19 00-0320 EA Control Relays, Motor Driven Timer	1,197.81	
26 24 19 00-0321 EA Control Relays, 7 Day Time Switch	1,507.61	
26 24 19 00-0322 EA Control Relays, 24 Hour Time Switch	422.76	
26 24 19 00-0323 EA Control Relays, Phase Voltage	719.13	
26 24 19 00-0324 EA Control Relays, Two Circuit Alternator	1,006.56	
26 24 19 00-0325 EA Control Relays, Manual 120 Volt	98.42	
26 24 19 00-0326 EA Control Relays, Over-Current Relay	2,224.54	
26 24 19 00-0327 EA Control Relays, UV-Relay	1,884.10	
26 24 19 00-0328 EA Control Relays, Over-Current Relay	1,884.10	
26 24 19 00-0329 EA Control Relays, Teleductor	741.50	
26 24 19 00-0330 EA Control Relays, Current Transducer	1,994.11	
26 24 19 00-0331 EA Control Relays, Watt Transducer	3,988.23	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x	135.33	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	202.43	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	228.15	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	253.88	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	228.15	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	253.88	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	267.30	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)		
26 24 19 00-0340 EA Circuit Breaker, Shunt Trip	290.13	
26 24 19 00-0341 EA Circuit Breaker, Auxiliary Switch	100.21	
26 24 19 00-0342 EA Circuit Breaker, Key Interlock	360.44	
26 24 19 00-0343 EA Circuit Breaker, GFR Ground Fault	1,661.58	
26 24 19 00-0344 EA Circuit Breaker, Seltronic Breaker	962.52	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	904.33	48.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.31	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,563.81	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,501.13	48.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.31	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,159.36	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	2,767.46	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	1,724.54	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	2,782.41	105.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.16	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	3,669.11	135.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.15	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	4,329.84	206.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.07	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	6,137.59	311.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.33	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	13,376.55	413.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	247.85	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	19,959.32	518.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	310.92	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	33,223.63	601.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.13	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,084.00	48.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.31	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	1,738.45	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,084.00 29.31	48.87
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,738.45 45.10	75.17
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,834.08 29.31	48.87
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,513.66 45.10	75.17
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,114.23 45.10	75.17
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,651.76 45.10	75.17
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,189.12 124.07	206.73
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,189.12 124.07	206.73
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,627.29 135.25	225.51
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,021.66 157.79	263.10
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,082.52 187.33	311.96
 26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	973.47	75.17
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,485.30	75.17
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,567.48	93.96
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps	2,536.11	112.76
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps	4,973.43	142.83
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps	6,972.05	187.93
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps	16,890.78	251.82
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	19,078.10	349.55
 26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers	856.88	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	884.52	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	913.42	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,047.85	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,135.80	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,251.02	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,545.40	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	1,741.40	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	4,048.18	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,148.48	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	2,976.46	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	4,638.70	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	4,295.70	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	5,952.91	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	5,981.09	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,284.91	
 26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	223.97	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	489.67	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	201.71	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	489.67	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	271.96	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	288.66	
26 24 19 00-0405 EA Add For Additional Circuits	64.12	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	1,009.95	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	1,057.94	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	932.74	
26 24 19 00-0409 EA Add For Demand Attachment	419.73	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	278.92	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	481.32	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	560.62	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	467.41	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester	502.89	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	384.64	
 26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	15,507.98	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	22,584.14	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	29,676.62	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	45,173.30	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0421			Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	399.00	
26 24 19 00-0423	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	399.00	
26 24 19 00-0424	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	551.61	
26 24 19 00-0425	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,009.45	
26 24 19 00-0426	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	551.61	
26 24 19 00-0427	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	704.22	
26 24 19 00-0428	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	704.22	
26 24 19 00-0429	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,007.61	
26 24 19 00-0430	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	704.22	
26 24 19 00-0431	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,007.61	
26 24 19 00-0432	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	856.84	
26 24 19 00-0433	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	2,778.29	
26 24 19 00-0434	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	856.84	
26 24 19 00-0435	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,007.61	
26 24 19 00-0436	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	2,778.29	
26 24 19 00-0437	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	2,778.29	
26 24 19 00-0438	EA		Bus Duct Transition Pull Box.....	1,126.23	
26 24 19 00-0439	EA		Throat And Transition To Substation.....	2,174.18	
26 24 19 00-0440	EA		Service Entrance Label.....	470.85	
26 24 19 00-0441	EA		Type W To 5 Star - 10" Transition.....	984.20	
26 24 19 00-0442	EA		600 Ampere Sub Feed Lugs On Main Bus.....	278.65	
26 24 19 00-0443			Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444	EA		Standard Structure Add For Each Additional 4" Of Structure Width.....	310.92	
26 24 19 00-0445	EA		Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	310.92	
26 24 19 00-0446	EA		Standard Structure Single Corner Section "L", 16" Depth.....	961.83	
26 24 19 00-0447	EA		Standard Structure Single Corner Section "L", 21" Depth.....	1,084.85	
26 24 19 00-0448	EA		Standard Structure Unused Space/Future Space.....	92.83	
26 24 19 00-0449	EA		Standard Structure NEMA 12 Dustproof.....	250.52	
26 24 19 00-0450	EA		Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	52.56	
26 24 19 00-0451	EA		Standard Structure 150 Watt Space.....	225.92	
26 24 19 00-0452	EA		Standard Structure Thermostat For Space Heater Control.....	339.28	
26 24 19 00-0453	EA		Standard Structure Rear Hinged Structure Door, 72" High.....	225.92	
26 24 19 00-0454	EA		Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	219.19	
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted.....	3,126.95	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back.....	3,614.30	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	3,617.80	
26 24 19 00-0458			Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps.....	451.01	225.51
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps.....	676.51	338.28
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps.....	751.72	375.85
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps.....	902.14	451.03
26 24 19 00-0463	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps.....	75.17	37.59
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps.....	451.01	225.51
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps.....	676.51	338.28
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps.....	751.72	375.85
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps.....	902.14	451.03
26 24 19 00-0468	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps.....	75.17	37.59
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	526.21	263.10
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	676.51	338.28
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	902.14	451.03
26 24 19 00-0472	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,052.27	526.12
26 24 19 00-0473	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps.....	112.75	56.38
26 24 19 00-0474	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	601.38	300.69
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	826.96	413.44
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,052.27	526.12
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,202.54	601.30
26 24 19 00-0478	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps.....	150.34	75.17
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	601.38	300.69
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	902.14	451.03
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,127.45	563.71
26 24 19 00-0482	EA		Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,278.00	639.04
26 24 19 00-0483	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	150.34	75.17
26 24 19 00-0484			Motor Control Centers (26 24 19)		
26 24 19 00-0485			2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	9,693.47	150.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0487	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	9,693.47	150.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0488	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	9,693.47	150.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0489	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	9,731.07	169.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,337.36 112.76	187.93
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,374.94 124.03	206.73
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,412.52 135.30	225.51
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,487.72 157.86	263.10
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,562.89 180.41	300.69
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,727.13 202.95	338.28
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,031.73 225.52	375.85
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,355.96 90.21	150.34
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,957.60 96.98	161.62
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,990.30 105.99	176.66
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,908.63 112.76	187.93
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,577.35 130.81	217.99
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,543.41 139.82	233.03
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,508.29 148.83	248.06
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,841.02 162.38	270.62
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,229.30 180.41	300.69
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,832.56 191.70	319.48
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51,627.82 225.52	375.85
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55,012.08 248.09	413.44
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,959.67 270.64	451.03
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63,111.05 293.22	488.70
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,548.24 90.21	150.34
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,585.84 101.49	169.14
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,623.40 112.76	187.93
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,660.98 124.03	206.73
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,700.86 135.30	225.51
26 24 19 00-0516 EA 2,400V CL 14-202, Synchronous Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,738.49 146.59	244.31
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,776.06 157.86	263.10
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,926.36 202.95	338.28
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,656.31 225.52	375.85
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,731.55 248.09	413.44
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,029.22 270.64	451.03
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,332.17 45.10	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,493.02 45.10	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,394.15 45.10	
26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,573.38 135.30	225.51
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,611.01 146.59	244.31
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,648.58 157.86	263.10
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,686.19 169.15	281.89
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,286.74 180.41	300.69

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP.....	11,324.37	319.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.70	
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP.....	11,361.87	338.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95	
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP.....	11,399.53	357.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.25	
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP.....	11,437.08	375.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP.....	19,320.60	488.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.22	
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP.....	19,395.47	526.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.68	
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	20,694.30	563.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.24	
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	20,769.39	601.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.76	
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	14,669.43	225.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.30	
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	14,867.92	244.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.59	
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	17,329.80	263.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.86	
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	19,257.46	281.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.15	
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	20,903.56	300.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.41	
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	22,877.20	319.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.70	
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	24,730.06	338.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95	
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	27,174.80	357.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.25	
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	31,463.51	375.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	34,380.42	394.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.80	
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	37,334.91	432.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.35	
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	39,772.72	451.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.64	
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	42,072.53	469.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.89	
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	45,287.18	488.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.22	
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	71,720.17	601.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.76	
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	79,746.46	639.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.40	
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	95,820.81	676.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	405.91	
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	101,341.58	676.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	405.91	
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	14,501.05	263.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.86	
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	14,538.66	281.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.15	
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	14,576.22	300.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.41	
26 24	19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	14,613.85	319.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.70	
26 24	19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	15,862.36	338.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95	
26 24	19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	15,900.02	357.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.25	
26 24	19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	15,937.57	375.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24	19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	15,975.17	394.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.80	
26 24	19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	16,012.81	413.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.09	
26 24	19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	16,238.12	526.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.68	
26 24	19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	26,128.90	563.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.24	
26 24	19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	27,421.89	601.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.76	
26 24	19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	27,421.89	601.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.76	
26 24	19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP.....	8,442.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24	19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP.....	8,700.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24	19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP.....	13,343.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories <small>(26 24 19 00-0484)</small>		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp	10,965.19	150.34
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	13,158.31	225.51
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	177.81	11.28
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused.....	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each.....	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light.....	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light.....	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter.....	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter.....	412.36	11.28
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection.....	2,984.00	37.59
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection.....	5,722.87	18.79
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	1,604.78	18.79
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	2,579.38	11.28
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism.....	3,726.94	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	421.88	37.59
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	304.44	37.59
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers <small>(26 24 19 00-0484)</small>		
<i>Note: 3 Pole. Includes structure.</i>		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	801.35	225.30
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,392.38	398.79
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,672.61	510.62
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,679.27	822.25
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,143.33	904.48
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,020.89	1,003.14
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	4,681.69	1,175.82
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	7,937.02	1,369.87
26 24 19 00-0606 Main Lugs Only <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs	660.22	287.79
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs	718.43	287.79
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs	1,013.64	452.24
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs	2,417.86	822.25
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs	3,666.87	1,192.26
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs	5,216.14	1,644.50
26 24 19 00-0613 Incoming Main Circuit Breaker Structure <small>(26 24 19 00-0484)</small>		
<i>Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.</i>		
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	4,080.07	397.89
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	8,574.84	511.11
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616 EA 600 Amp, Main Circuit Breaker Section	8,971.85	796.11
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section	12,661.10	796.11
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section.....	18,260.50	900.77
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0619			Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA		200 Amp, Fusible Main Disconnect Section.....	3,556.43	398.38
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621	EA		400 Amp, Fusible Main Disconnect Section.....	4,900.45	511.35
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622	EA		600 Amp, Fusible Main Disconnect Section.....	9,521.35	796.76
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623	EA		800 Amp, Fusible Main Disconnect Section.....	11,034.75	796.76
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624	EA		1,200 Amp, Fusible Main Disconnect Section.....	15,484.10	901.59
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0625			Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626			Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter.....	660.21	166.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.17	
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter.....	765.42	166.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.42	
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter.....	1,105.63	236.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.77	
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter.....	1,778.91	311.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.88	
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter.....	3,137.47	389.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.60	
26 24 19 00-0632			Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter.....	621.01	145.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.23	
26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter.....	722.69	145.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.60	
26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter.....	1,054.74	210.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.50	
26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter.....	1,727.00	285.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.30	
26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter.....	3,095.60	364.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.03	
26 24 19 00-0638			Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639	EA		Size 1, Class I, Type C Circuit Breaker Combination Starter.....	648.31	134.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.48	
26 24 19 00-0640	EA		Size 2, Class I, Type C Circuit Breaker Combination Starter.....	757.52	134.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.47	
26 24 19 00-0641	EA		Size 3, Class I, Type C Circuit Breaker Combination Starter.....	1,120.96	201.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.92	
26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter.....	1,797.90	278.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.12	
26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter.....	3,159.94	357.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.13	
26 24 19 00-0644			Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter.....	670.75	199.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.95	
26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter.....	910.38	199.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0647	EA			Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,279.46 159.35	266.41
26 24 19 00-0648	EA			Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,058.97 205.56	341.23
26 24 19 00-0649	EA			Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,647.72 250.69	416.88
26 24 19 00-0650				Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA			Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	818.97 108.19	189.12
26 24 19 00-0652	EA			Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	936.97 118.14	189.12
26 24 19 00-0653	EA			Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,349.58 154.56	258.18
26 24 19 00-0654	EA			Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,123.84 199.58	333.01
26 24 19 00-0655	EA			Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,723.74 247.67	411.13
26 24 19 00-0656				Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657				Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA			Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.91 92.60	153.76
26 24 19 00-0659	EA			Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.31 126.11	210.49
26 24 19 00-0660	EA			Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,416.74 164.45	273.81
26 24 19 00-0661	EA			Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,941.76 230.97	383.99
26 24 19 00-0662	EA			Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,333.48 293.66	489.24
26 24 19 00-0663				Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA			Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.62 82.23	137.32
26 24 19 00-0665	EA			Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	822.37 112.95	188.29
26 24 19 00-0666	EA			Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,206.95 151.15	251.61
26 24 19 00-0667	EA			Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,997.98 218.68	363.44
26 24 19 00-0668	EA			Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,378.28 277.79	462.10
26 24 19 00-0669				Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA			Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.00 76.99	128.27
26 24 19 00-0671	EA			Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.14 105.42	174.31
26 24 19 00-0672	EA			Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,301.15 146.83	242.57
26 24 19 00-0673	EA			Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,091.41 214.13	357.68
26 24 19 00-0674	EA			Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,202.79 274.08	457.17
26 24 19 00-0675				Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA			Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	776.19 115.49	192.40
26 24 19 00-0677	EA			Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.37 143.75	240.10
26 24 19 00-0678	EA			Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,434.75 185.19	309.17
26 24 19 00-0679	EA			Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,304.73 250.69	416.88
26 24 19 00-0680	EA			Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,879.23 311.46	520.48
26 24 19 00-0681				Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA			Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	798.71 108.19	180.90
26 24 19 00-0683	EA			Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.85 136.13	226.94
26 24 19 00-0684	EA			Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,511.03 177.21	295.19

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,387.73 244.72	407.02
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,957.32 302.30	504.04
26 24 19 00-0687 Space Complete With Bus And Hardware (26 24 19 00-0484)		
26 24 19 00-0688 Circuit Breaker Type (26 24 19 00-0687)		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	281.78	81.40
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	337.83	106.89
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	561.51	162.81
26 24 19 00-0694 Fused Disconnect Type (26 24 19 00-0687)		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	254.23	81.40
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	351.31	106.89
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	599.13	162.81
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	838.40	236.80
26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	236.77	
26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	2,141.65	432.75
26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For 1,600 Amp Tin Plated Copper Bus, Add</i> <i>For 2,000 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amp Tin Plated Copper Vertical, Add</i>	3,717.94 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,126.97
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway)..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For 1,600 Amp Tin Plated Copper Bus, Add</i> <i>For 2,000 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amp Tin Plated Copper Vertical, Add</i>	3,717.94 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,126.97
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For 1,600 Amp Tin Plated Copper Bus, Add</i> <i>For 2,000 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amp Tin Plated Copper Vertical, Add</i>	4,062.91 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,126.97
26 24 19 00-0712 EA Corner Section..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For 1,600 Amp Tin Plated Copper Bus, Add</i> <i>For 2,000 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amp Tin Plated Copper Vertical, Add</i>	4,062.91 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,126.97
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	916.78 94.96	158.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,020.21 105.33	175.55
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,744.30 141.60	235.98
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,518.92 186.71	311.14
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,627.78 233.33	388.85
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,976.72 233.33	388.85
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.41 82.14	136.91
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,034.60 92.50	154.17
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,772.41 126.29	210.49
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,511.22 171.21	285.32
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,630.76 221.03	368.37
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,058.78 221.03	368.37
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,448.55 118.82	198.08
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,768.63 131.49	219.13
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,890.92 176.70	294.53
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,931.41 233.60	389.34
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,828.69 292.27	487.10
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,460.45 102.61	171.03
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,795.13 115.70	192.82
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,930.11 158.12	263.53
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,932.47 214.13	356.85
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,842.21 276.54	460.87
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,580.44 118.82	198.08
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,226.72 131.49	219.13
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,159.70 176.70	294.53
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,660.32 233.60	389.34
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,242.27 292.27	487.10
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,592.34 102.61	171.03
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,253.23 115.70	192.82
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,198.88 158.12	263.53
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,661.37 214.13	356.85
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,255.79 276.54	460.87
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small>		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	749.17	154.34
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	979.61	209.75
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	1,606.22	273.32
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	2,681.42	384.98
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	5,286.38	489.40
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	13,132.93	489.40
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	757.02	136.82
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	993.04	187.88
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	1,642.48	251.94

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0760	EA		Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	2,684.42	364.50
26 24 19 00-0761	EA		Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	5,277.43	463.00
26 24 19 00-0762	EA		Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	13,203.11	463.00
26 24 19 00-0763			Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,264.77	193.23
26 24 19 00-0765	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,759.75	262.21
26 24 19 00-0766	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,701.72	341.48
26 24 19 00-0767	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,580.34	482.58
26 24 19 00-0768	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,000.64	564.72
26 24 19 00-0769	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,285.77	171.03
26 24 19 00-0770	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,783.82	234.67
26 24 19 00-0771	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,750.46	315.25
26 24 19 00-0772	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,590.77	454.79
26 24 19 00-0773	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,002.20	532.57
26 24 19 00-0774			Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,463.49	193.23
26 24 19 00-0776	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,224.89	262.21
26 24 19 00-0777	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,983.68	341.48
26 24 19 00-0778	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,847.64	482.58
26 24 19 00-0779	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,923.58	564.72
26 24 19 00-0780	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,485.07	171.03
26 24 19 00-0781	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,248.95	234.67
26 24 19 00-0782	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,032.43	315.25
26 24 19 00-0783	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,858.06	454.79
26 24 19 00-0784	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,925.15	532.57
26 24 19 00-0785			Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small>		
			Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA		600 Amp Horizontal Tin Plated Copper Bus Kit	154.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.18	
26 24 19 00-0787	EA		800 Amp Horizontal Tin Plated Copper Bus Kit	188.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.18	
26 24 19 00-0788	EA		1,200 Amp Horizontal Tin Plated Copper Bus Kit	226.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 24 19 00-0789	EA		1,600 Amp Horizontal Tin Plated Copper Bus Kit	293.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 24 19 00-0790	EA		2,000 Amp Horizontal Tin Plated Copper Bus Kit	489.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.65	
26 24 19 00-0791	EA		1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	89.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 24 19 00-0792			Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793			3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA		150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	653.22	118.82
26 24 19 00-0795	EA		150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,139.49	131.56
26 24 19 00-0796	EA		225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,390.96	177.20
26 24 19 00-0797	EA		400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	2,305.14	233.52
26 24 19 00-0798	EA		600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,977.30	291.90
26 24 19 00-0799	EA		800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,535.15	291.90
26 24 19 00-0800	EA		1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	9,331.92	365.49
26 24 19 00-0801			Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA		30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips	521.21	115.53
26 24 19 00-0803	EA		60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips	622.68	157.47
26 24 19 00-0804	EA		100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips	847.82	201.45
26 24 19 00-0805	EA		200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips	1,547.09	288.61
26 24 19 00-0806	EA		400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips	2,692.28	367.05
26 24 19 00-0807	EA		600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips	5,998.31	367.05
26 24 19 00-0808	EA		800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips	7,417.20	458.82
26 24 19 00-0809	EA		1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips	10,877.99	458.82
26 24 19 00-0810			Control Circuit Transformer <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed	41.88	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed	41.88	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed	80.66	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed	80.66	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed	112.05	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	34.95	9.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0817 Cover Mounted Control Devices <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	76.14	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.28	
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	86.26	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.85	
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted.....	70.65	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	199.19	55.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.70	
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter	222.89	21.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.78	
26 24 19 00-0823 Extra Interlocks <small>(26 24 19 00-0484)</small>		
Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact.....	50.19	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact.....	67.69	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact.....	73.93	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.42	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact.....	66.15	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact.....	68.96	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.88	
26 24 19 00-0829 Special Cabinet Provisions <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831 Nameplate Requirements <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements	18.61	
26 24 19 00-0833 Auxiliary Relays <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834 EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	110.12	20.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.35	
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	104.52	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.35	
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	62.72	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.35	
26 24 19 00-0837 Motor Control Center Accessories <small>(26 24 19 00-0484)</small>		
26 24 19 00-0838 Lighting Transformer With Circuit Breaker <small>(26 24 19 00-0837)</small>		
Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,135.86	264.03
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,260.38	274.60
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,565.46	295.71
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,461.17	316.84
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,964.74	337.96
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,313.82	380.21
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,580.62	422.45
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,634.72	348.53
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,122.43	380.21
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,997.61	422.45
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,430.02	464.70
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,943.89	506.95
26 24 19 00-0851 EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,238.43	549.19
26 24 19 00-0852 Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small>		
Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853 EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,424.54	427.90
26 24 19 00-0854 EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,245.74	744.79
26 24 19 00-0855 EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,990.14	1,007.67
26 24 19 00-0856 EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,494.70	463.00
26 24 19 00-0857 EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,214.05	728.92
26 24 19 00-0858 EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,116.10	1,070.66
26 24 19 00-0859 EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	2,332.56	496.31
26 24 19 00-0860 EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,148.91	796.76
26 24 19 00-0861 EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,958.44	1,070.66
26 24 19 00-0862 EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	2,410.62	535.29
26 24 19 00-0863 EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,148.91	796.76
26 24 19 00-0864 EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,027.52	1,105.18

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small>		
Note: For MCC lighting panel only.		
26 24 19 00-0866 EA 15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	16.67	
26 24 19 00-0867 EA 15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	161.57	
26 24 19 00-0868 EA 15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	32.58	
26 24 19 00-0869 EA 60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	75.01	
26 24 19 00-0870 EA 15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	87.89	
26 24 19 00-0871 EA 60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	133.35	
26 24 19 00-0872 Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small>		
Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873 EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24 19 00-0874 EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	51.70	
26 24 19 00-0875 EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	77.55	
26 24 19 00-0876 EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	103.41	
26 24 19 00-0877 EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	155.11	
26 24 19 00-0878 EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	180.96	
26 24 19 00-0879 EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	206.81	
26 25 Enclosed Bus Assemblies <small>(26 20)</small>		
26 25 00 00-0001 Bus Ducts <small>(26 25)</small>		
26 25 00 00-0002 Plug-In Bus Duct <small>(26 25 00 00-0001)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0004 LF 225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	233.97	24.67
For Up To 25, Add	58.49	
For >25 To 50, Add	35.10	
For >50 To 100, Add	17.55	
26 25 00 00-0005 LF 400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	333.83	24.67
For Up To 25, Add	83.46	
For >25 To 50, Add	50.07	
For >50 To 100, Add	25.04	
26 25 00 00-0006 LF 600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	424.01	32.89
For Up To 25, Add	106.00	
For >25 To 50, Add	63.60	
For >50 To 100, Add	31.80	
26 25 00 00-0007 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	588.52	32.89
For Up To 25, Add	147.13	
For >25 To 50, Add	88.28	
For >50 To 100, Add	44.14	
26 25 00 00-0008 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	620.66	41.11
For Up To 25, Add	155.17	
For >25 To 50, Add	93.10	
For >50 To 100, Add	46.55	
26 25 00 00-0009 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	868.29	41.11
For Up To 25, Add	217.07	
For >25 To 50, Add	130.24	
For >50 To 100, Add	65.12	
26 25 00 00-0010 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,017.96	43.17
For Up To 25, Add	254.49	
For >25 To 50, Add	152.69	
For >50 To 100, Add	76.35	
26 25 00 00-0011 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,242.10	44.40
For Up To 25, Add	310.53	
For >25 To 50, Add	186.32	
For >50 To 100, Add	93.16	
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,535.50	46.87
For Up To 25, Add	383.88	
For >25 To 50, Add	230.33	
For >50 To 100, Add	115.16	
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,772.80	54.68
For Up To 25, Add	443.20	
For >25 To 50, Add	265.92	
For >50 To 100, Add	132.96	
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,052.78	59.61
For Up To 25, Add	513.20	
For >25 To 50, Add	307.92	
For >50 To 100, Add	153.96	
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	388.87	24.67
For Up To 25, Add	97.22	
For >25 To 50, Add	58.33	
For >50 To 100, Add	29.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	563.80	24.67
<i>For Up To 25, Add</i>	140.95	
<i>For >25 To 50, Add</i>	84.57	
<i>For >50 To 100, Add</i>	42.29	
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	637.50	32.89
<i>For Up To 25, Add</i>	159.38	
<i>For >25 To 50, Add</i>	95.63	
<i>For >50 To 100, Add</i>	47.81	
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	812.18	32.89
<i>For Up To 25, Add</i>	203.05	
<i>For >25 To 50, Add</i>	121.83	
<i>For >50 To 100, Add</i>	60.91	
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	992.19	41.11
<i>For Up To 25, Add</i>	248.05	
<i>For >25 To 50, Add</i>	148.83	
<i>For >50 To 100, Add</i>	74.41	
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,288.45	41.11
<i>For Up To 25, Add</i>	322.11	
<i>For >25 To 50, Add</i>	193.27	
<i>For >50 To 100, Add</i>	96.63	
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,667.84	42.60
<i>For Up To 25, Add</i>	416.96	
<i>For >25 To 50, Add</i>	250.18	
<i>For >50 To 100, Add</i>	125.09	
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,010.93	44.40
<i>For Up To 25, Add</i>	502.73	
<i>For >25 To 50, Add</i>	301.64	
<i>For >50 To 100, Add</i>	150.82	
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,496.62	46.45
<i>For Up To 25, Add</i>	624.16	
<i>For >25 To 50, Add</i>	374.49	
<i>For >50 To 100, Add</i>	187.25	
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,881.82	54.68
<i>For Up To 25, Add</i>	720.46	
<i>For >25 To 50, Add</i>	432.27	
<i>For >50 To 100, Add</i>	216.14	
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,341.81	59.61
<i>For Up To 25, Add</i>	835.45	
<i>For >25 To 50, Add</i>	501.27	
<i>For >50 To 100, Add</i>	250.64	
26 25 00 00-0027 Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,958.07	115.12
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,015.70	115.12
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,174.22	156.23
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,308.32	156.23
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,471.64	205.56
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,706.48	205.56
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,015.70	226.12
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,183.66	226.12
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,326.35	308.35
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,612.93	308.35
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,741.19	411.13
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,121.03	411.13
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker <small>(26 25 00 00-0002)</small>		
26 25 00 00-0043 240 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	870.71	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.98	
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,754.97	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.74	
26 25 00 00-0046 600 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,712.44	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.98	
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,218.37	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.74	
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire <small>(26 25 00 00-0042)</small>		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,002.96	98.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39	
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,196.13	98.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.24	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0052			277/480 Volt, 3-Phase, 4-Wire <small>(26 25 00 00-0042)</small>		
26 25 00 00-0053	EA		60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....1,153.32	1,153.32	98.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39	
26 25 00 00-0054	EA		100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....1,784.88	1,784.88	98.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.24	
26 25 00 00-0055	EA		225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....2,568.75	2,568.75	341.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.89	
26 25 00 00-0056	EA		400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....6,153.70	6,153.70	341.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.19	
26 25 00 00-0057	EA		600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....6,812.16	6,812.16	986.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	446.87	
26 25 00 00-0058	EA		800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker .....8,357.18	8,357.18	986.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	790.62	
26 25 00 00-0059			Bus Duct Plug-In Fusible Switch <small>(26 25 00 00-0002)</small>		
26 25 00 00-0060			240 Volt, 3-Pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0061	EA		30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....868.64	868.64	82.23
26 25 00 00-0062	EA		60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....950.41	950.41	82.23
26 25 00 00-0063	EA		100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....1,318.52	1,318.52	98.67
26 25 00 00-0064	EA		200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....2,220.91	2,220.91	197.35
26 25 00 00-0065	EA		400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....5,642.63	5,642.63	444.01
26 25 00 00-0066	EA		600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....8,378.75	8,378.75	772.91
26 25 00 00-0067			600 Volt, 3-Pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0068	EA		30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....907.60	907.60	90.44
26 25 00 00-0069	EA		60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....987.09	987.09	90.44
26 25 00 00-0070	EA		100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....1,332.92	1,332.92	90.44
26 25 00 00-0071	EA		200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....2,281.72	2,281.72	189.12
26 25 00 00-0072	EA		400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....5,620.67	5,620.67	427.57
26 25 00 00-0073	EA		600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....8,534.48	8,534.48	822.25
26 25 00 00-0074	EA		800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses .....14,126.51	14,126.51	1,068.92
26 25 00 00-0075			120/208 Volt, 4-pole, 3 Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0076	EA		30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,006.85	1,006.85	106.89
26 25 00 00-0077	EA		60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,075.82	1,075.82	106.89
26 25 00 00-0078	EA		100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,455.25	1,455.25	106.89
26 25 00 00-0079	EA		200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....2,468.59	2,468.59	222.01
26 25 00 00-0080	EA		400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....6,181.80	6,181.80	493.35
26 25 00 00-0081	EA		600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....8,983.81	8,983.81	756.47
26 25 00 00-0082			277/480 Volt, 4-pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0083	EA		30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,041.42	1,041.42	106.89
26 25 00 00-0084	EA		60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,110.40	1,110.40	90.69
26 25 00 00-0085	EA		100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....1,555.89	1,555.89	123.34
26 25 00 00-0086	EA		200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....2,575.86	2,575.86	222.01
26 25 00 00-0087	EA		400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....6,181.80	6,181.80	493.35
26 25 00 00-0088	EA		600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....8,983.81	8,983.81	756.47
26 25 00 00-0089	EA		800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses .....14,319.64	14,319.64	1,003.14
26 25 00 00-0090			Feeder Bus Duct <small>(26 25 00 00-0001)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.					
26 25 00 00-0091			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small>		
Note: Copper conductors.					
26 25 00 00-0092	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....711.86	711.86	34.54
			<i>For Up To 25, Add</i>	177.97	
			<i>For >25 To 50, Add</i>	106.78	
			<i>For >50 To 100, Add</i>	53.39	
26 25 00 00-0093	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....720.66	720.66	34.54
			<i>For Up To 25, Add</i>	180.17	
			<i>For >25 To 50, Add</i>	108.10	
			<i>For >50 To 100, Add</i>	54.05	
26 25 00 00-0094	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....946.14	946.14	34.54
			<i>For Up To 25, Add</i>	236.54	
			<i>For >25 To 50, Add</i>	141.92	
			<i>For >50 To 100, Add</i>	70.96	
26 25 00 00-0095	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....1,138.19	1,138.19	34.54
			<i>For Up To 25, Add</i>	284.55	
			<i>For >25 To 50, Add</i>	170.73	
			<i>For >50 To 100, Add</i>	85.36	
26 25 00 00-0096	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....1,392.43	1,392.43	34.54
			<i>For Up To 25, Add</i>	348.11	
			<i>For >25 To 50, Add</i>	208.86	
			<i>For >50 To 100, Add</i>	104.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,899.41	82.23
<i>For Up To 25, Add</i>	<i>474.85</i>	
<i>For >25 To 50, Add</i>	<i>284.91</i>	
<i>For >50 To 100, Add</i>	<i>142.46</i>	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,629.29	82.23
<i>For Up To 25, Add</i>	<i>657.32</i>	
<i>For >25 To 50, Add</i>	<i>394.39</i>	
<i>For >50 To 100, Add</i>	<i>197.20</i>	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,110.63	82.23
<i>For Up To 25, Add</i>	<i>777.66</i>	
<i>For >25 To 50, Add</i>	<i>466.59</i>	
<i>For >50 To 100, Add</i>	<i>233.30</i>	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,834.42	82.23
<i>For Up To 25, Add</i>	<i>958.61</i>	
<i>For >25 To 50, Add</i>	<i>575.16</i>	
<i>For >50 To 100, Add</i>	<i>287.58</i>	
26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
<i>Note: Low impedance, copper conductors.</i>		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	818.00	37.00
<i>For Up To 25, Add</i>	<i>204.50</i>	
<i>For >25 To 50, Add</i>	<i>122.70</i>	
<i>For >50 To 100, Add</i>	<i>61.35</i>	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	829.32	37.00
<i>For Up To 25, Add</i>	<i>207.33</i>	
<i>For >25 To 50, Add</i>	<i>124.40</i>	
<i>For >50 To 100, Add</i>	<i>62.20</i>	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,069.84	37.00
<i>For Up To 25, Add</i>	<i>267.46</i>	
<i>For >25 To 50, Add</i>	<i>160.48</i>	
<i>For >50 To 100, Add</i>	<i>80.24</i>	
26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,268.44	37.00
<i>For Up To 25, Add</i>	<i>317.11</i>	
<i>For >25 To 50, Add</i>	<i>190.27</i>	
<i>For >50 To 100, Add</i>	<i>95.13</i>	
26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,533.27	37.00
<i>For Up To 25, Add</i>	<i>383.32</i>	
<i>For >25 To 50, Add</i>	<i>229.99</i>	
<i>For >50 To 100, Add</i>	<i>115.00</i>	
26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,359.47	63.31
<i>For Up To 25, Add</i>	<i>589.87</i>	
<i>For >25 To 50, Add</i>	<i>353.92</i>	
<i>For >50 To 100, Add</i>	<i>176.96</i>	
26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,959.82	63.31
<i>For Up To 25, Add</i>	<i>739.96</i>	
<i>For >25 To 50, Add</i>	<i>443.97</i>	
<i>For >50 To 100, Add</i>	<i>221.99</i>	
26 25 00 00-0109 LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	3,501.51	117.59
<i>For Up To 25, Add</i>	<i>875.38</i>	
<i>For >25 To 50, Add</i>	<i>525.23</i>	
<i>For >50 To 100, Add</i>	<i>262.61</i>	
26 25 00 00-0110 LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	4,322.36	117.59
<i>For Up To 25, Add</i>	<i>1,080.59</i>	
<i>For >25 To 50, Add</i>	<i>648.35</i>	
<i>For >50 To 100, Add</i>	<i>324.18</i>	
26 26 Power Distribution Units <small>(26 20)</small>		
<i>Note: Includes wiring connections and testing.</i>		
26 26 00 00-0001 Liebert Precision Power Center <small>(26 28)</small>		
<i>Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.</i>		
26 26 00 00-0002 EA PDU 15 KVA 480-208/120 Model PPA01C	9,999.43	328.90
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 Model PPC015C	9,671.52	328.90
26 26 00 00-0004 EA PDU 30 KVA 480-208/120 Model PPA030C	11,201.74	328.90
26 26 00 00-0005 EA PDU 30 KVA 208-208/120 Model PPC030C	11,584.30	328.90
26 26 00 00-0006 EA PDU 50 KVA 480-208/120 Model PPA050C	12,586.23	328.90
26 26 00 00-0007 EA PDU 50 KVA 208-208/120 Model PPC050C	13,121.44	328.90
26 26 00 00-0008 EA PDU 75 KVA 480-208/120 Model PPA075C	13,824.98	328.90
26 26 00 00-0009 EA PDU 75 KVA 208-208/120 Model PPC075C	15,027.29	328.90
26 26 00 00-0010 EA PDU 100 KVA 480-208/120 Model PPA100C	14,899.77	328.90
26 26 00 00-0011 EA PDU 100 KVA 208-208/120 Model PPC100C	16,266.04	328.90
26 26 00 00-0012 EA PDU 125 KVA 480-208/120 Model PPA125C	16,593.94	328.90
26 26 00 00-0013 EA PDU 125 KVA 208-208/120 Model PPC125C	18,124.16	328.90
26 26 00 00-0014 EA PDU 150 KVA 480-208/120 Model PPA150C	19,982.29	328.90
26 26 00 00-0015 EA PDU 150 KVA 208-208/120 Model PPC150C	20,802.05	328.90
26 26 00 00-0016 EA PDU 200 KVA 480-208/120 Model PPA200C	21,767.54	328.90
26 26 00 00-0017 EA PDU 225 KVA 480-208/120 Model PPA225C	22,896.99	328.90
26 26 00 00-0018 EA Ex Panelboard 10-30 KVA	882.20	82.23
26 26 00 00-0019 EA Ex Panelboard 50-125 KVA	1,264.75	82.23
26 26 00 00-0020 EA Ex Panelboard 150-220 KVA	2,794.97	82.23
26 26 00 00-0021 EA Remove And Reinstall, Power Distribution Unit	1,315.18	
<i>Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.</i>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 26	Power Distribution Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 26 00 00-0022 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	955.67	
26 26 00 00-0023 RV Power Center (Parkmate) (26 26)		
26 26 00 00-0024 EA RV Power Center, Un-Metered, 20-30 Amp Outlet, Pedestal Mounted	575.69	82.23
Note: Parkmate		
26 26 00 00-0025 EA RV Power Center, Un-Metered, 20-30-50 Amp Outlet, Pedestal Mount	611.98	82.23
Note: Parkmate		
26 26 00 00-0026 EA RV Power Center, Metered, 20-30 Amp Outlet, Pedestal Mounted	757.13	82.23
Note: Parkmate		
26 26 00 00-0027 EA RV Power Center, Metered, 20-30-50 Amp Outlet, Pedestal Mounted	793.42	82.23
Note: Parkmate		
26 27 Low-Voltage Distribution Equipment (26 20)		
26 27 13 Electricity Metering (26 27)		
26 27 13 00-0001 Revenue Metering (26 27 13)		
26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)		
26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	165.85	53.45
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	174.63	53.45
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	228.12	65.78
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	230.62	65.78
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	422.15	74.01
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	554.18	82.23
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,319.09	90.44
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,651.57	411.13
26 27 13 00-0011 Meter Device (26 27 13 00-0001)		
Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	151.89	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.12	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	414.31	16.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.29	
26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)		
26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	349.60	106.89
26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	585.67	51.39
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	768.14	61.67
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	949.65	71.94
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,099.93	82.23
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,425.37	92.50
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,540.60	102.78
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,799.50	123.34
26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,059.09	51.39
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,425.10	61.67
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,916.11	82.23
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,126.03	92.50
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,667.34	102.78
26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.79	71.94
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.10	82.23
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,425.37	92.50
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.16	102.78
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,100.86	113.06
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.64	123.34
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,730.62	143.89
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.31	71.94
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.54	82.23
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.38	102.78
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.03	123.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	640.31	61.67
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	833.19	71.94
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,025.13	82.23
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,188.66	92.50
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,455.39	102.78
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,570.63	113.06
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,933.67	133.61
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.52	61.67
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.47	71.94
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,116.56	92.50
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,326.48	102.78
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.01	113.06
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.44	82.23
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.55	92.50
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,512.22	102.78
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.02	113.06
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.67	123.34
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.41	133.61
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,874.31	154.17
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.22	82.23
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,879.87	92.50
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,687.92	113.06
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.62	123.34
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.24	133.61
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	585.67	51.39
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	768.14	61.67
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,099.93	82.23
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,425.37	92.50
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,758.37	102.78
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,059.09	51.39
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,392.10	61.67
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,010.78	82.23
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,220.71	92.50
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,667.34	102.78
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.79	71.94
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.10	82.23
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.16	102.78
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,100.86	113.06
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.64	123.34
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.32	71.94
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.54	82.23
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.38	102.78
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.06	123.34
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	640.31	61.67
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	833.19	71.94
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,188.66	92.50
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,550.07	102.78
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,760.00	113.06

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0106			1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.52	61.67
26 27 13 00-0108	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.46	71.94
26 27 13 00-0109	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,021.87	92.50
26 27 13 00-0110	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,231.79	102.78
26 27 13 00-0111	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,810.99	113.06
26 27 13 00-0112			800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.43	82.23
26 27 13 00-0114	EA		4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.53	92.50
26 27 13 00-0115	EA		6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.00	113.06
26 27 13 00-0116	EA		7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.64	123.34
26 27 13 00-0117	EA		8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.41	133.61
26 27 13 00-0118			1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.21	82.23
26 27 13 00-0120	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,879.85	92.50
26 27 13 00-0121	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0122	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.62	123.34
26 27 13 00-0123	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.24	133.61
26 27 13 00-0124			Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125	EA		Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	635.78	49.33
26 27 13 00-0126	EA		Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,895.97	98.67
26 27 13 00-0127	EA		Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,022.28	74.01
26 27 13 00-0128	EA		Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,238.52	74.01
26 27 13 00-0129	EA		Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,054.05	74.01
26 27 13 00-0130	EA		C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	707.18	68.24
26 27 13 00-0131	EA		P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,211.86	123.34
26 27 13 00-0132			Watt/Hour Meter Systems <small>(26 27 13)</small> Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133			Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134	EA		400 Amp System; 200 Amp M-90 Meter And Enclosure	3,181.93	493.43
26 27 13 00-0135	EA		600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,692.25	493.43
26 27 13 00-0136			Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137	EA		400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,422.51	493.43
26 27 13 00-0138	EA		600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,535.31	493.43
26 27 13 00-0139	EA		800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,007.24	493.43
26 27 16			Electrical Cabinets And Enclosures <small>(26 27)</small> Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001			NEMA 1 Enclosures <small>(26 27 16)</small>		
26 27 16 00-0002			Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003			4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	52.35	16.45
26 27 16 00-0005	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.73	18.09
26 27 16 00-0006	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.18	19.73
26 27 16 00-0007	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.10	23.02
26 27 16 00-0008	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.92	24.67
26 27 16 00-0009	EA		10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.25	26.31
26 27 16 00-0010	EA		12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	89.99	26.31
26 27 16 00-0011	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.49	27.95
26 27 16 00-0012	EA		12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.39	29.60
26 27 16 00-0013	EA		16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.59	39.47
26 27 16 00-0014	EA		16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.70	47.69
26 27 16 00-0015	EA		18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.37	46.04
26 27 16 00-0016			6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.68	19.73
26 27 16 00-0018	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.82	23.02
26 27 16 00-0019	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.25	27.95
26 27 16 00-0020	EA		10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.95	29.60
26 27 16 00-0021	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.81	31.25
26 27 16 00-0022	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.03	32.89
26 27 16 00-0023	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	151.07	42.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0024 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	183.10	52.63
26 27 16 00-0025 EA 18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	176.56	50.98
26 27 16 00-0026 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	229.98	65.78
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	295.79	75.65
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	338.29	82.23
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	376.90	87.16
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	411.41	90.44
26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0033 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	37.90	11.52
26 27 16 00-0034 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	54.19	16.45
26 27 16 00-0035 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	60.62	18.09
26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0037 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	42.19	13.16
26 27 16 00-0038 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	52.21	16.45
26 27 16 00-0039 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	58.51	18.09
26 27 16 00-0040 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.94	19.73
26 27 16 00-0041 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	75.78	23.02
26 27 16 00-0042 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	82.57	24.67
26 27 16 00-0043 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.76	26.31
26 27 16 00-0044 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.45	26.31
26 27 16 00-0045 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.00	27.95
26 27 16 00-0046 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.82	29.60
26 27 16 00-0047 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.59	39.47
26 27 16 00-0048 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	168.96	49.33
26 27 16 00-0049 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	156.59	46.04
26 27 16 00-0050 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	203.13	59.20
26 27 16 00-0051 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	301.24	74.01
26 27 16 00-0052 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0053 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	65.38	19.73
26 27 16 00-0054 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.40	21.38
26 27 16 00-0055 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.43	24.67
26 27 16 00-0056 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	94.75	27.95
26 27 16 00-0057 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.43	29.60
26 27 16 00-0058 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.21	31.25
26 27 16 00-0059 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.34	32.89
26 27 16 00-0060 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.07	42.76
26 27 16 00-0061 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	185.55	52.63
26 27 16 00-0062 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	175.68	50.98
26 27 16 00-0063 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	228.78	65.78
26 27 16 00-0064 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	290.24	75.65
26 27 16 00-0065 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	335.74	82.23
26 27 16 00-0066 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	363.61	87.16
26 27 16 00-0067 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	401.13	90.44
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	94.75	27.95
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	130.61	36.18
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	166.01	46.04
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	205.76	57.56
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.04	55.92
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	242.98	69.07
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	269.66	78.94
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	318.09	83.87
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	370.38	90.44
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	394.69	95.39
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	415.73	98.67
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	428.55	98.67
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	223.15	62.49
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	294.84	80.58
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	295.70	85.51
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	396.69	92.09
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	459.32	101.96
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	515.22	105.25
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	551.06	110.18
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	325.62	88.80

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.64	93.74
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	435.67	101.96
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.00	111.82
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	568.24	116.76
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.36	121.69
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	75.40	13.16
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	98.09	18.09
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	121.30	23.02
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	131.35	24.67
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	147.58	26.31
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	159.01	27.95
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	108.94	19.73
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	120.07	21.38
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	80.54	13.16
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	99.98	18.09
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	112.00	19.73
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	128.80	23.02
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	133.92	24.67
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	154.04	26.31
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	164.96	27.95
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	184.50	29.60
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	118.38	19.73
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	132.48	21.38
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	146.39	24.67
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	173.77	29.60
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	189.80	32.89
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	259.30	42.76
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	401.13	65.78
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	510.08	75.65
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	570.62	82.23
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	539.15	83.87
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	612.28	90.44
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	667.14	95.39
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	726.08	98.67
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	718.07	98.67
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,990.74	133.61
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,025.31	148.00
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,309.81	158.29
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,675.04	197.35
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,001.41	232.69
26 27 16 00-0142 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0143 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,247.65	232.69
26 27 16 00-0144 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,490.74	246.68
26 27 16 00-0145 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,809.09	263.12
26 27 16 00-0146 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,068.05	263.12



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0147		NEMA 3 Enclosures <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.		
26 27 16 00-0148		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	212.46	57.56
26 27 16 00-0150		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	227.86	57.56
26 27 16 00-0152	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	290.29	59.61
26 27 16 00-0153	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	300.77	59.61
26 27 16 00-0154	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	377.03	61.67
26 27 16 00-0155		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	287.45	59.61
26 27 16 00-0157	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	314.86	59.61
26 27 16 00-0158	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	328.18	61.67
26 27 16 00-0159	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	412.37	61.67
26 27 16 00-0160	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.18	65.78
26 27 16 00-0161	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	487.76	69.89
26 27 16 00-0162	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	507.78	69.89
26 27 16 00-0163	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	603.15	71.94
26 27 16 00-0164	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	654.09	74.01
26 27 16 00-0165	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.39	82.23
26 27 16 00-0166		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0167	EA	6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	435.43	63.72
26 27 16 00-0168	EA	8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	548.24	71.94
26 27 16 00-0169	EA	8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	641.78	74.01
26 27 16 00-0170	EA	10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	739.10	76.06
26 27 16 00-0171	EA	10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	786.32	76.06
26 27 16 00-0172	EA	12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.14	82.23
26 27 16 00-0173	EA	12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,034.13	92.50
26 27 16 00-0174	EA	16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	974.52	88.39
26 27 16 00-0175	EA	18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,894.27	164.45
26 27 16 00-0176	EA	18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,277.61	205.56
26 27 16 00-0177		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0178	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	793.82	78.12
26 27 16 00-0179	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,192.97	102.78
26 27 16 00-0180	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,212.26	102.78
26 27 16 00-0181	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,643.13	154.17
26 27 16 00-0182	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,162.18	164.45
26 27 16 00-0183	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,480.11	287.79
26 27 16 00-0184		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,882.32	205.56
26 27 16 00-0186		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,429.44	246.68
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,643.93	226.12
26 27 16 00-0189		NEMA 3R Enclosures <small>(26 27 16)</small> Note: Rain-tight enclosures.		
26 27 16 00-0190		Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0191		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	63.06	16.45
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	69.59	18.09
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	95.35	18.09
26 27 16 00-0195		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	125.12	24.67
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.01	27.95
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	163.51	31.25
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	176.31	32.89
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	229.51	42.76
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	275.21	52.63
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	317.20	65.78

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0203 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0204 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	473.70	83.87
26 27 16 00-0205 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	524.07	90.44
26 27 16 00-0206 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.71	95.39
26 27 16 00-0207 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	616.28	98.67
26 27 16 00-0208 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0209 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.36	101.96
26 27 16 00-0210 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	662.34	115.12
26 27 16 00-0211 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	733.35	127.45
26 27 16 00-0212 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	807.69	140.61
26 27 16 00-0213 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.52	152.93
26 27 16 00-0214 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	388.85	80.58
26 27 16 00-0215 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.36	101.96
26 27 16 00-0216 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	686.50	105.25
26 27 16 00-0217 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	859.95	115.12
26 27 16 00-0218 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0219 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	559.89	81.40
26 27 16 00-0220 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	627.98	91.27
26 27 16 00-0221 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	695.24	101.14
26 27 16 00-0222 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	768.66	111.82
26 27 16 00-0223 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0224 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	418.37	60.85
26 27 16 00-0225 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	559.89	81.40
26 27 16 00-0226 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	627.98	91.27
26 27 16 00-0227 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	735.03	106.89
26 27 16 00-0228 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0229 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	797.48	120.05
26 27 16 00-0230 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0231 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.80	124.98
26 27 16 00-0232 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	976.19	131.56
26 27 16 00-0233 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,056.48	138.14
26 27 16 00-0234 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0189)		
26 27 16 00-0235 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0236 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	50.05	13.16
26 27 16 00-0237 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	60.43	16.45
26 27 16 00-0238 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	66.73	18.09
26 27 16 00-0239 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	74.04	19.73
26 27 16 00-0240 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	85.97	23.02
26 27 16 00-0241 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	93.76	24.67
26 27 16 00-0242 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	102.25	26.31
26 27 16 00-0243 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	101.78	26.31
26 27 16 00-0244 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	111.36	27.95
26 27 16 00-0245 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	119.86	29.60
26 27 16 00-0246 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	180.89	46.04
26 27 16 00-0247 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	241.60	59.20
26 27 16 00-0248 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0249 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	69.35	19.73
26 27 16 00-0250 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	95.03	24.67
26 27 16 00-0251 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	107.64	27.95
26 27 16 00-0252 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	116.79	29.60
26 27 16 00-0253 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	116.10	29.60
26 27 16 00-0254 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	125.80	31.25
26 27 16 00-0255 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	135.59	32.89
26 27 16 00-0256 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	176.98	42.76
26 27 16 00-0257 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	203.46	50.98
26 27 16 00-0258 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	271.85	65.78
26 27 16 00-0259 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	283.46	70.71
26 27 16 00-0260 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	324.85	75.65
26 27 16 00-0261 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	366.40	82.23
26 27 16 00-0262 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0263 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	151.86	36.18
26 27 16 00-0264 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	219.37	55.92
26 27 16 00-0265 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	300.86	72.35
26 27 16 00-0266 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	359.42	83.87
26 27 16 00-0267 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	407.41	90.44
26 27 16 00-0268 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	453.47	95.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0269 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0270 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.78	80.58
26 27 16 00-0271 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	447.58	101.96
26 27 16 00-0272 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.15	105.25
26 27 16 00-0273 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0274 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	494.58	111.82
26 27 16 00-0275 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	694.62	121.69
26 27 16 00-0276 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	718.02	124.98
26 27 16 00-0277 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	842.23	131.56
26 27 16 00-0278 NEMA 4 Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0279 Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0280 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	87.03	11.52
26 27 16 00-0281 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	101.25	13.98
26 27 16 00-0282 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	126.39	18.09
26 27 16 00-0283 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	119.77	18.09
26 27 16 00-0284 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	159.81	24.67
26 27 16 00-0285 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	199.73	29.60
26 27 16 00-0286 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	184.16	27.95
26 27 16 00-0287 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	214.54	32.89
26 27 16 00-0288 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	252.92	37.83
26 27 16 00-0289 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	305.56	47.69
26 27 16 00-0290 Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0291 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	79.34	11.52
26 27 16 00-0292 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.10	18.09
26 27 16 00-0293 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0294 EA 6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	98.90	15.79
26 27 16 00-0295 EA 8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	104.88	17.10
26 27 16 00-0296 EA 10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	127.99	22.36
26 27 16 00-0297 EA 12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	150.28	24.67
26 27 16 00-0298 EA 14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	194.95	31.25
26 27 16 00-0299 EA 16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	227.71	37.00
26 27 16 00-0300 EA 18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	316.55	59.20
26 27 16 00-0301 NEMA 4X Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0302 Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
26 27 16 00-0303 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	178.77	13.16
26 27 16 00-0304 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	209.29	18.09
26 27 16 00-0305 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	264.31	24.67
26 27 16 00-0306 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	321.07	29.60
26 27 16 00-0307 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	395.08	37.83
26 27 16 00-0308 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	464.83	47.69
26 27 16 00-0309 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
26 27 16 00-0310 EA 4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	161.08	11.52
For 316L Stainless Steel, Add	35.72	
26 27 16 00-0311 EA 6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	210.41	16.45
For 316L Stainless Steel, Add	45.71	
26 27 16 00-0312 EA 6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	238.09	18.09
For 316L Stainless Steel, Add	52.07	
26 27 16 00-0313 EA 8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	271.91	19.73
For 316L Stainless Steel, Add	60.10	
26 27 16 00-0314 EA 10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	334.22	24.67
For 316L Stainless Steel, Add	73.59	
26 27 16 00-0315 EA 12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	468.00	31.25
For 316L Stainless Steel, Add	105.27	
26 27 16 00-0316 EA 14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	582.74	37.83
For 316L Stainless Steel, Add	131.81	
26 27 16 00-0317 EA 16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	703.80	47.69
For 316L Stainless Steel, Add	157.83	
26 27 16 00-0318 Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0319 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	85.12	18.09
26 27 16 00-0320 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	95.53	19.73
26 27 16 00-0321 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	109.54	23.02
26 27 16 00-0322 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	118.90	24.67

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0323	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	137.09	27.95
26 27 16 00-0324	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	129.74	27.95
26 27 16 00-0325	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.54	31.25
26 27 16 00-0326	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	188.01	37.83
26 27 16 00-0327	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	241.85	51.80
26 27 16 00-0328	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	315.28	74.58
26 27 16 00-0329	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	90.90	18.09
26 27 16 00-0330	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	102.36	19.73
26 27 16 00-0331	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	116.89	23.02
26 27 16 00-0332	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	127.82	24.67
26 27 16 00-0333	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	146.54	27.95
26 27 16 00-0334	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	138.67	27.95
26 27 16 00-0335	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	162.65	31.25
26 27 16 00-0336	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	194.31	37.83
26 27 16 00-0337	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	254.98	51.80
26 27 16 00-0338	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	329.45	74.58
26 27 16 00-0339 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301)					
Note: NEMA 3R, 4, 4X and 12 rated.					
26 27 16 00-0340	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	101.40	18.09
26 27 16 00-0341	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	108.66	19.73
26 27 16 00-0342	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	123.71	23.02
26 27 16 00-0343	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	133.60	24.67
26 27 16 00-0344	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	157.57	27.95
26 27 16 00-0345	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	146.02	27.95
26 27 16 00-0346	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	177.87	31.25
26 27 16 00-0347	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	211.64	37.83
26 27 16 00-0348	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	262.33	51.80
26 27 16 00-0349	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	342.05	74.58
26 27 16 00-0350	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	105.60	18.09
26 27 16 00-0351	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	116.53	19.73
26 27 16 00-0352	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	131.06	23.02
26 27 16 00-0353	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	141.47	24.67
26 27 16 00-0354	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	168.07	27.95
26 27 16 00-0355	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	154.94	27.95
26 27 16 00-0356	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	188.90	31.25
26 27 16 00-0357	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	216.89	37.83
26 27 16 00-0358	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	279.65	51.80
26 27 16 00-0359	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	360.43	74.58
26 27 16 00-0360 NEMA 7/9 Enclosures (26 27 16)					
Note: Nominal inside dimensions.					
26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)					
26 27 16 00-0362	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	935.92	92.50
<i>For Mounting Pan, Add</i>				39.75	
26 27 16 00-0363	EA		6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	746.72	98.67
<i>For Mounting Pan, Add</i>				74.07	
26 27 16 00-0364	EA		8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,458.21	111.00
<i>For Mounting Pan, Add</i>				102.13	
26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)					
26 27 16 00-0366	EA		8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,296.90	111.00
<i>For Mounting Pan, Add</i>				51.93	
26 27 16 00-0367	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,689.30	114.09
<i>For Mounting Pan, Add</i>				102.13	
26 27 16 00-0368	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,728.69	123.34
<i>For Mounting Pan, Add</i>				78.13	
26 27 16 00-0369	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,774.03	123.34
<i>For Mounting Pan, Add</i>				91.41	
26 27 16 00-0370	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,507.89	154.17
<i>For Mounting Pan, Add</i>				119.92	
26 27 16 00-0371	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,364.05	138.75
<i>For Mounting Pan, Add</i>				74.88	
26 27 16 00-0372	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,445.81	154.17
<i>For Mounting Pan, Add</i>				112.04	
26 27 16 00-0373	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,778.76	277.51
<i>For Mounting Pan, Add</i>				150.73	
26 27 16 00-0374	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,999.70	185.01
<i>For Mounting Pan, Add</i>				146.76	
26 27 16 00-0375	EA		16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,937.87	308.35
<i>For Mounting Pan, Add</i>				134.74	
26 27 16 00-0376	EA		18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,718.55	308.35
<i>For Mounting Pan, Add</i>				219.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,017.49	138.75
For Mounting Pan, Add	78.13	
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,031.59	138.75
For Mounting Pan, Add	91.41	
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,299.95	138.75
For Mounting Pan, Add	119.92	
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,548.65	154.17
For Mounting Pan, Add	74.88	
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,706.07	277.51
For Mounting Pan, Add	112.04	
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,509.83	339.18
For Mounting Pan, Add	150.73	
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,080.10	400.84
For Mounting Pan, Add	226.69	
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,061.63	339.18
For Mounting Pan, Add	146.76	
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,172.07	339.18
For Mounting Pan, Add	134.74	
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,213.10	370.01
For Mounting Pan, Add	201.96	
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,132.43	339.18
For Mounting Pan, Add	219.04	
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,854.08	370.01
For Mounting Pan, Add	320.30	
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,807.19	370.01
For Mounting Pan, Add	427.00	
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	10,566.78	493.35
For Mounting Pan, Add	533.67	
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	8,042.75	400.84
For Mounting Pan, Add	496.22	
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	14,569.34	616.69
For Mounting Pan, Add	679.32	
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,364.20	400.84
For Mounting Pan, Add	226.69	
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,778.96	370.01
For Mounting Pan, Add	201.96	
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,385.34	400.84
For Mounting Pan, Add	320.30	
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	9,327.72	431.68
For Mounting Pan, Add	533.67	
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	8,254.70	431.68
For Mounting Pan, Add	496.22	
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	15,870.82	616.69
For Mounting Pan, Add	679.32	
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,611.16	339.18
For Mounting Pan, Add	150.73	
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	226.06	65.78
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	381.56	65.78
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	896.39	90.44
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,200.34	98.67
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	891.84	98.67
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	348.41	90.44
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	351.89	90.44
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	600.91	90.44
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	1,932.72	115.12
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	521.22	115.12
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	575.28	180.90
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,189.35	180.90
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	3,296.99	230.23

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	911.89	230.23
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,121.24	345.35
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,770.24	345.35
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	5,950.46	444.01
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	3,346.96	444.01
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	1,320.74	345.35
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	2,085.74	345.35
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	4,136.96	444.01
26 27 16 00-0430 Legend Plates (26 27 16)		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	10.58	4.11
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	12.59	4.11
26 27 23 Indoor Service Poles (26 27)		
26 27 23 00-0001 Communication And Power Poles (26 27 23)		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	209.86	36.45
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	227.65	36.45
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	248.22	36.45
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.28	7.52
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles	37.36	7.52
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	42.20	7.52
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices	31.47	7.52
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting	26.06	7.52
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	270.87	36.45
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	309.10	36.45
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	329.73	36.45
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle	29.08	7.52
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle	26.22	7.52
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices	28.27	7.52
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	351.89	36.45
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	397.91	36.45
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	428.25	36.45
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle	29.08	7.52
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle	26.22	7.52
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices	28.27	7.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0032 Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	282.84	36.45
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	315.01	36.45
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	351.09	36.45
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	44.07	7.52
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles.....	44.98	7.52
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	48.01	7.52
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices.....	33.17	7.52
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting.....	26.06	7.52
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	272.79	36.45
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	305.79	36.45
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	344.67	36.45
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	566.74	36.45
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	647.68	36.45
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	738.33	36.45
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	309.67	36.45
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	293.36	36.45
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	374.77	36.45
26 27 26 Wiring Devices <small>(26 27)</small>		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002 General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003 Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	64.98	29.19
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	69.55	31.25
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	83.42	37.41
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	92.56	41.52
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly.....	71.23	29.19
26 27 26 00-0009 EA 1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly.....	76.13	31.25
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase.....	18.15	8.22
26 27 26 00-0012 EA 15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase.....	17.79	8.22
26 27 26 00-0013 EA 15 Amp, Single Receptacle, 120/277 Volt, 3 Wire.....	19.94	8.22
26 27 26 00-0014 EA 15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire.....	21.18	8.22
26 27 26 00-0015 EA 15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase.....	26.87	10.27
26 27 26 00-0016 EA 15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase.....	30.95	10.27
26 27 26 00-0017 EA 20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase.....	18.63	8.22
26 27 26 00-0018 EA 20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase.....	18.25	8.22
26 27 26 00-0019 EA 20 Amp, Single Receptacle, 120/277 Volt.....	23.85	8.22
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt.....	20.79	8.22
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase.....	26.87	10.27
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase.....	30.95	10.27
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase.....	44.04	10.27
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase.....	44.04	10.27
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt.....	39.75	12.34
26 27 26 00-0026 Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027 Specialty <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028 EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase.....	38.03	14.39
26 27 26 00-0029 EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase.....	38.03	14.39
26 27 26 00-0030 EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt.....	48.95	14.39
26 27 26 00-0031 EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase.....	52.25	14.39
26 27 26 00-0032 EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase.....	56.37	16.45

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0033 EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	52.97	16.45
26 27 26 00-0034 EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	52.02	16.45
26 27 26 00-0035 EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	47.09	16.45
26 27 26 00-0036 EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	58.73	16.45
26 27 26 00-0037 EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	61.58	16.45
26 27 26 00-0038 EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	65.69	18.50
26 27 26 00-0039 EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	72.41	20.56
26 27 26 00-0040 EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	80.63	24.67
26 27 26 00-0041 EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	734.81	193.23
26 27 26 00-0042 EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,626.69	236.39
26 27 26 00-0043 EA 30 Amp, Dryer Receptacle, 230 Volt	44.86	16.45
26 27 26 00-0044 EA 60 Amp, Range Receptacle, 230 Volt	66.10	24.67
26 27 26 00-0045 EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	38.38	10.27
26 27 26 00-0046 EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	805.99	250.55
26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048 EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	50.20	8.22
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	33.74	10.27
26 27 26 00-0050 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	33.65	10.27
26 27 26 00-0051 EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	48.33	16.45
26 27 26 00-0052 EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.88	10.27
26 27 26 00-0053 EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.44	10.27
26 27 26 00-0054 EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	46.19	12.34
26 27 26 00-0055 EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	38.58	12.34
26 27 26 00-0056 EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	47.09	12.34
26 27 26 00-0057 EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	55.39	12.34
26 27 26 00-0058 EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles	57.76	16.45
26 27 26 00-0059 Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	428.70	20.56
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	403.37	22.61
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	662.91	41.11
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	828.18	41.11
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,054.16	61.67
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,021.44	61.67
26 27 26 00-0066 Ground Fault Interrupter (26 27 26 00-0026)		
26 27 26 00-0067 EA 15 Amp GFI, Duplex Receptacle	21.97	10.27
26 27 26 00-0068 EA 20 Amp GFI, Duplex Receptacle	33.05	12.34
26 27 26 00-0069 EA 15 Amp, 120 Volt, GFI, Weatherproof Duplex Receptacle	23.07	14.00
26 27 26 00-0070 EA 20 Amp, 120 Volt, GFI, Weatherproof Duplex Receptacle	39.45	16.45
26 27 26 00-0071 Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0072 EA Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	41.61	10.27
26 27 26 00-0073 EA Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	42.86	10.27
26 27 26 00-0074 EA Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	33.93	12.34
26 27 26 00-0075 EA Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles	33.98	12.34
26 27 26 00-0076 EA Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles	35.90	12.34
26 27 26 00-0077 EA Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles	40.35	12.34
26 27 26 00-0078 EA Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles	37.70	12.34
26 27 26 00-0079 EA Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles	38.37	12.34
26 27 26 00-0080 EA Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles	43.49	16.45
26 27 26 00-0081 EA Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles	44.10	16.45
26 27 26 00-0082 EA Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase	50.56	16.45
26 27 26 00-0083 Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0084 EA Pin And Sleeve, 20 Amp, 120/208 Volt Power Receptacles And Box	98.10	20.56
For Straight Plug, Add	70.21	
26 27 26 00-0085 EA Pin And Sleeve, 20 Amp, 277/480 Volt Power Receptacles And Box	98.10	20.56
For Straight Plug, Add	70.21	
26 27 26 00-0086 EA Pin And Sleeve, 30 Amp, 120/208 Volt Power Receptacles And Box	119.63	24.67
For Straight Plug, Add	103.06	
26 27 26 00-0087 EA Pin And Sleeve, 30 Amp, 277/480 Volt Power Receptacles And Box	119.63	24.67
For Straight Plug, Add	103.06	
26 27 26 00-0088 EA Pin And Sleeve, 60 Amp, 120/208 Volt Power Receptacles And Box	241.99	41.11
For Straight Plug, Add	128.99	
26 27 26 00-0089 EA Pin And Sleeve, 60 Amp, 277/480 Volt Power Receptacles And Box	241.99	41.11
For Straight Plug, Add	128.99	
26 27 26 00-0090 EA Pin And Sleeve, 100 Amp, 120/208 Volt Power Receptacles And Box	328.46	51.39
For Straight Plug, Add	210.48	
26 27 26 00-0091 EA Pin And Sleeve, 100 Amp, 277/480 Volt Power Receptacles And Box	328.46	51.39
For Straight Plug, Add	210.48	
26 27 26 00-0092 EA Pin And Sleeve, 200 Amp, 120/208 Volt Power Receptacles And Box	489.51	61.67
For Straight Plug, Add	317.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0093 Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0094 EA Corrosion Resistant, 15/20 Amp, 125 V Power Receptacles.....	38.22	8.22
26 27 26 00-0095 EA Corrosion Resistant, 15/20 Amp, 250 V Power Receptacles.....	72.01	10.27
26 27 26 00-0096 Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0097 EA 15 Amp, 125 V Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	19.27	8.22
26 27 26 00-0098 EA 20 Amp, 125 V Duplex Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	20.73	8.22
26 27 26 00-0099 EA 15 Amp, 125 V Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	24.90	8.22
26 27 26 00-0100 EA 20 Amp, 125 V Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	26.85	8.22
26 27 26 00-0101 EA 15 Amp, 125 V Duplex GFCI Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	38.60	8.22
26 27 26 00-0102 EA 15 Amp, 125 V Duplex GFCI Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	41.40	8.22
26 27 26 00-0103 EA 20 Amp, 125 V Duplex GFCI Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	44.08	8.22
26 27 26 00-0104 Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0105 EA TV Receptacle With Cover (Type F) - Complete.....	47.28	19.07
26 27 26 00-0106 Switches <small>(26 27 26)</small>		
26 27 26 00-0107 Switches <small>(26 27 26 00-0106)</small>		
26 27 26 00-0108 Switch Assemblies <small>(26 27 26 00-0107)</small>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0109 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	66.17	28.77
26 27 26 00-0110 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	71.33	31.25
26 27 26 00-0111 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	87.84	37.61
26 27 26 00-0112 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	96.51	41.73
26 27 26 00-0113 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	150.73	64.55
26 27 26 00-0114 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	163.75	70.71
26 27 26 00-0115 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	172.25	72.97
26 27 26 00-0116 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	189.60	81.19
26 27 26 00-0117 Switch Components <small>(26 27 26 00-0107)</small>		
26 27 26 00-0118 EA 15 Amp, 120/277 Volt, SPST Switch	19.80	8.22
26 27 26 00-0119 EA 15 Amp, 120/277 Volt, 3-Way Switch	24.96	10.27
26 27 26 00-0120 EA 15 Amp, 120/277 Volt, 4-Way Switch	45.65	16.45
26 27 26 00-0121 EA 15 Amp, 120/277 Volt, DPST Switch	21.75	8.22
26 27 26 00-0122 EA 15 Amp, 120/277 Volt, Thermal Switch.....	37.20	10.27
26 27 26 00-0123 EA 20 Amp, 120/277 Volt, SPST Switch	24.13	10.27
26 27 26 00-0124 EA 20 Amp, 120/277 Volt, 3-Way Switch	29.56	12.34
26 27 26 00-0125 EA 20 Amp, 120/277 Volt, 4-Way Switch	57.24	16.45
26 27 26 00-0126 EA 20 Amp, 120/277 Volt, DPST Switch	27.25	10.27
26 27 26 00-0127 EA 20 Amp, 120/277 Volt, DPDT Switch.....	28.64	10.27
26 27 26 00-0128 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	44.95	10.29
26 27 26 00-0129 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	56.01	10.29
26 27 26 00-0130 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	43.86	12.36
26 27 26 00-0131 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	35.71	14.39
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0132 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	42.99	16.45
26 27 26 00-0133 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	57.26	16.45
26 27 26 00-0134 EA 30 Amp, 120/277 Volt, Single Pole Local Switch	46.66	16.47
26 27 26 00-0135 EA 30 Amp, 120/277 Volt, Double Pole Local Switch.....	56.60	16.47
26 27 26 00-0136 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	60.00	20.59
26 27 26 00-0137 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	82.31	22.65
26 27 26 00-0138 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	26.94	13.46
26 27 26 00-0139 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot	26.94	13.46
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0140 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	26.94	13.46
26 27 26 00-0141 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	26.94	13.46
26 27 26 00-0142 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 V	13.34	6.68
26 27 26 00-0143 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 V	13.34	6.68
26 27 26 00-0144 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	25.70	25.70
26 27 26 00-0145 EA Momentary Contact Switch, Three Position, Center Off, Key Operated	71.42	25.70
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0146 Specialty Switches <small>(26 27 26 00-0106)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0147 Dimmers With SPST Switch (26 27 26 00-0146)		
26 27 26 00-0148 EA 600 Watt Dimmers With SPST Switch	44.23	18.50
26 27 26 00-0149 EA 1,000 Watt Dimmers With SPST Switch	66.81	18.50
26 27 26 00-0150 EA 1,500 Watt Dimmers With SPST Switch	117.88	29.77
26 27 26 00-0151 EA 2,000 Watt Dimmers With SPST Switch	146.69	29.77
26 27 26 00-0152 EA 600 Watt Fluorescent Dimmer Switch	85.40	21.95
26 27 26 00-0153 EA 1,000 Watt Fluorescent Dimmer Switch	110.20	21.95
26 27 26 00-0154 EA 1,500 Watt Fluorescent Dimmer Switch	194.86	33.13
26 27 26 00-0155 EA Remote Speed Switch For Paddle Fan	70.72	27.38
26 27 26 00-0156 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	113.64	40.86
26 27 26 00-0157 Time Switches (26 27 26 00-0146)		
26 27 26 00-0158 EA 40 Amp, SPST, 125 Volt, Standard Time Switch	75.41	24.67
26 27 26 00-0159 EA 40 Amp, SPST, 277 Volt, Standard Time Switch	76.72	24.67
26 27 26 00-0160 EA 40 Amp, DPST, 125 Volt, Standard Time Switch	75.41	24.67
26 27 26 00-0161 EA 40 Amp, DPST, 277 Volt, Standard Time Switch	76.72	24.67
26 27 26 00-0162 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch	84.11	24.67
26 27 26 00-0163 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch	84.11	24.67
26 27 26 00-0164 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch	135.41	24.67
26 27 26 00-0165 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch	135.41	24.67
26 27 26 00-0166 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch	118.95	24.67
26 27 26 00-0167 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch	129.00	24.67
26 27 26 00-0168 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	129.00	24.67
26 27 26 00-0169 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	152.75	24.67
26 27 26 00-0170 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	156.75	24.67
26 27 26 00-0171 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	75.41	24.67
26 27 26 00-0172 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	76.72	24.67
26 27 26 00-0173 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	75.41	24.67
26 27 26 00-0174 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	76.72	24.67
26 27 26 00-0175 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	84.11	24.67
26 27 26 00-0176 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	84.11	24.67
26 27 26 00-0177 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	135.41	24.67
26 27 26 00-0178 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	135.41	24.67
26 27 26 00-0179 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	152.75	24.67
26 27 26 00-0180 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	156.75	24.67
26 27 26 00-0181 Low Voltage Switching (26 27 26 00-0146)		
26 27 26 00-0182 EA 36 Pin Male Or Female Connector	100.78	8.22
26 27 26 00-0183 Other Switches (26 27 26 00-0146)		
26 27 26 00-0184 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	26.29	12.34
26 27 26 00-0185 EA Locking Switch, SPST Concealed Devices	76.97	32.89
26 27 26 00-0186 EA Locking Switch, 3-Way Concealed Devices	77.69	32.89
26 27 26 00-0187 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	81.40	30.75
26 27 26 00-0188 EA 15A Momentary Contact Switch	78.55	30.75
26 27 26 00-0189 EA 20A Momentary Contact Switch	81.55	30.75
26 27 26 00-0190 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	82.48	37.07
26 27 26 00-0191 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	83.31	37.07
26 27 26 00-0192 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	102.30	45.30
26 27 26 00-0193 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	93.01	41.18
26 27 26 00-0194 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	93.22	41.18
26 27 26 00-0195 Plates And Covers (26 27 26)		
26 27 26 00-0196 Wall Plates (26 27 26 00-0195)		
26 27 26 00-0197 Nylon Wall Plates (26 27 26 00-0196)		
26 27 26 00-0198 EA 1 Gang Nylon Switch Plate	1.18	0.41
26 27 26 00-0199 EA 2 Gang Nylon Switch Plate	1.96	0.62
26 27 26 00-0200 EA 3 Gang Nylon Switch Plate	2.76	0.82
26 27 26 00-0201 EA 4 Gang Nylon Switch Plate	3.90	1.03
26 27 26 00-0202 EA 1 Gang Duplex Nylon Wall Plate	1.19	0.41
26 27 26 00-0203 EA 2 Gang Duplex Nylon Wall Plate	2.00	0.62
26 27 26 00-0204 Plastic Wall Plates (26 27 26 00-0196)		
26 27 26 00-0205 EA 1 Gang Plastic Switch Plate	1.11	0.41
26 27 26 00-0206 EA 2 Gang Plastic Switch Plate	1.81	0.62
26 27 26 00-0207 EA 3 Gang Plastic Switch Plate	2.53	0.82
26 27 26 00-0208 EA 4 Gang Plastic Switch Plate	3.90	1.03
26 27 26 00-0209 EA 1 Gang Duplex Plastic Wall Plate	1.11	0.41
26 27 26 00-0210 EA 2 Gang Duplex Plastic Wall Plate	1.82	0.62
26 27 26 00-0211 Brass Wall Plates (26 27 26 00-0196)		
26 27 26 00-0212 EA 1 Gang 0.04" Brass Switch Plate	10.52	1.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0213 EA 2 Gang 0.04" Brass Switch Plate.....	19.10	2.14
26 27 26 00-0214 EA 3 Gang 0.04" Brass Switch Plate.....	27.57	2.39
26 27 26 00-0215 EA 4 Gang 0.04" Brass Switch Plate.....	42.35	2.59
26 27 26 00-0216 EA 5 Gang 0.04" Brass Switch Plate.....	51.39	2.76
26 27 26 00-0217 EA 6 Gang 0.04" Brass Switch Plate.....	59.32	2.88
26 27 26 00-0218 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	10.52	1.86
26 27 26 00-0219 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	22.20	2.14
26 27 26 00-0220 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	31.66	2.39
26 27 26 00-0221 Stainless Steel Wall Plates (26 27 26 00-0196)		
26 27 26 00-0222 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	6.04	1.86
26 27 26 00-0223 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	9.30	2.14
26 27 26 00-0224 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.69	2.39
26 27 26 00-0225 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	18.18	2.59
26 27 26 00-0226 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	21.27	2.76
26 27 26 00-0227 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	25.50	2.88
26 27 26 00-0228 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	6.53	1.86
26 27 26 00-0229 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	10.46	2.14
26 27 26 00-0230 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	16.54	2.39
26 27 26 00-0231 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	19.85	2.59
26 27 26 00-0232 Chrome Wall Plates (26 27 26 00-0196)		
26 27 26 00-0233 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish	20.17	1.86
26 27 26 00-0234 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish	37.18	2.14
26 27 26 00-0235 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish	54.13	2.39
26 27 26 00-0236 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	20.16	1.86
26 27 26 00-0237 Weatherproof Covers (26 27 26 00-0195)		
26 27 26 00-0238 Stamped Metallic Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0239 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.18	0.41
26 27 26 00-0240 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.86	0.41
26 27 26 00-0241 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.86	0.41
26 27 26 00-0242 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	8.86	0.41
26 27 26 00-0243 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	10.87	0.62
26 27 26 00-0244 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.34	0.62
26 27 26 00-0245 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.49	0.62
26 27 26 00-0246 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	12.49	0.62
26 27 26 00-0247 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	16.97	0.62
26 27 26 00-0248 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	16.09	0.82
26 27 26 00-0249 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	17.59	0.82
26 27 26 00-0250 Cast Metallic Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0251 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.01	0.41
26 27 26 00-0252 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	31.95	0.41
26 27 26 00-0253 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	35.83	0.41
26 27 26 00-0254 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.94	0.41
26 27 26 00-0255 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	27.09	0.41
26 27 26 00-0256 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	45.05	0.41
26 27 26 00-0257 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	57.36	0.41
26 27 26 00-0258 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.49	0.62
26 27 26 00-0259 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	90.60	0.62
26 27 26 00-0260 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	20.91	0.82
26 27 26 00-0261 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	86.57	0.82
26 27 26 00-0262 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0263 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.51	0.41
26 27 26 00-0264 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.50	0.41
26 27 26 00-0265 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.04	0.62
26 27 26 00-0266 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.55	0.62
26 27 26 00-0267 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	6.55	0.62
26 27 26 00-0268 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	7.29	0.62
26 27 26 00-0269 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0237)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0270 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.57	0.41

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0271			Polycarbonate Weatherproof Covers <small>(26 27 26 00-0237)</small> Note: Includes neoprene gasket.		
26 27 26 00-0272	EA		Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0273	EA		Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0274	EA		Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0275	EA		Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.90	0.62
26 27 26 00-0276	EA		Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.90	0.62
26 27 26 00-0277			High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0237)</small> Note: Includes neoprene gasket.		
26 27 26 00-0278	EA		Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	44.66	0.41
26 27 26 00-0279			Non Metallic (PVC) Weatherproof Covers <small>(26 27 26 00-0237)</small> Note: Includes neoprene gasket.		
26 27 26 00-0280	EA		Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	727.40	0.41
26 27 26 00-0281	EA		Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	749.37	0.62
26 27 26 00-0282	EA		Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	730.00	0.41
26 27 26 00-0283	EA		Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,698.41	0.41
26 27 26 00-0284	EA		Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,980.75	0.41
26 27 26 00-0285	EA		20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,591.51	0.41
26 27 26 00-0286	EA		30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,166.95	0.41
26 27 26 00-0287	EA		50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,378.41	0.41
26 27 26 00-0288	EA		Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,224.53	0.41
26 27 26 00-0289	EA		Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	1,758.85	0.62
26 27 26 00-0290			Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small> Note: Includes storage and cleaning.		
26 27 26 00-0291	EA		Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device.....	54.09	
26 27 26 00-0292	EA		Remove And Reinstall Receptacle Or Switch Outlet Cover Plate.....	6.86	
26 27 26 00-0293			In Line Midget Fuseholders <small>(26 27 26)</small> See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0294	EA		Single Pole Water Resistant In Line Midget Fuseholder	52.86	
26 27 26 00-0295	EA		Double Pole Water Resistant In Line Midget Fuseholder.....	111.24	
26 27 26 00-0296			Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0297	EA		Relay 2 Position, 10 Amp, 24 Volt Coil	56.88	18.50
26 27 26 00-0298	EA		Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	229.90	61.67
26 27 26 00-0299	EA		Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts.....	377.75	82.23
26 27 26 00-0300			Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0301			Heavy Duty Precision Oiltight <small>(26 27 26 00-0300)</small>		
26 27 26 00-0302			Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0301)</small>		
26 27 26 00-0303	EA		Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	268.23	51.80
26 27 73			Door Chimes <small>(26 27)</small>		
26 27 73 00-0001			Door Bell System <small>(26 27 73)</small>		
26 27 73 00-0002	EA		Door Bell, Push-button And Transformer - Complete.....	413.07	171.28
26 27 73 00-0003	EA		Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	148.39	41.11
26 27 73 00-0004	EA		Replacement Bell/Buzzer - Complete	62.85	20.56
			Note: Includes removal of existing.		
26 28			Low-Voltage Circuit Protective Devices <small>(26 20)</small>		
26 28 13			Fuses <small>(26 28)</small>		
26 28 13 00-0001			125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002	EA		1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.33	5.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0003	EA		2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.00	5.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0004	EA		3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.54	5.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0005	EA		5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.48	5.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0006	EA		6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.90	5.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08 3.95	5.92
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.88 3.95	5.92
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.28 3.95	5.92
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03 3.95	5.92
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.50 3.95	5.92
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.17 3.95	5.92
26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.23 3.95	5.92
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.78 3.95	5.92
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.79 3.95	5.92
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.66 3.95	5.92
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.65 3.95	5.92
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.04 3.95	5.92
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.43 3.95	5.92
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.31 3.95	5.92
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44 3.95	5.92
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.28 3.95	5.92
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.12 3.95	5.92
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.64 3.95	5.92
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00 3.95	5.92
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.70 3.95	5.92
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.26 3.95	5.92
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0031 EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.73 4.94	7.40
26 28 13 00-0032 EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.49 4.94	7.40
26 28 13 00-0033 EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.41 4.94	7.40
26 28 13 00-0034 EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.11 4.94	7.40
26 28 13 00-0035 EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.04 4.94	7.40
26 28 13 00-0036 EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.53 4.94	7.40
26 28 13 00-0037 EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.52 5.43	8.14
26 28 13 00-0038 EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.99 5.43	8.14
26 28 13 00-0039 EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.09 5.43	8.14
26 28 13 00-0040 EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.72 6.66	10.03
26 28 13 00-0041 EA 350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.07 6.66	10.03
26 28 13 00-0042 EA 400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.27 6.66	10.03
26 28 13 00-0043 EA 450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	333.98 6.66	10.03
26 28 13 00-0044 EA 500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.71 8.14	12.25
26 28 13 00-0045 EA 600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.41 8.14	12.25

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ⁽²⁶		
^{28 13 00-0013)}		
EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.21	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.89	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.95	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.59	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.04	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.24	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.12	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.91	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.63	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.04	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.60	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.70	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.91	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.28	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.61	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^{(26 28}		
^{13 00-0013)}		
EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	79.73	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.00	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.58	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.91	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	146.25	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	148.38	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	147.61	10.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	147.26	10.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	275.48	10.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	278.42	12.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	313.06	12.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	284.31	12.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	504.99	12.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	452.16	14.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	395.48	14.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)		
Note: 250/300 Volt DC.		
EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.54	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.93	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.82	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.70	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.51	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.60	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.02	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.71	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.23	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.14	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.07	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.61	4.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.86	4.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	30.76	4.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.21	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.81	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.27	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	40.01	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	33.96	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	56.55	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	48.77	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.36	8.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	50.52	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	49.68	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	75.47	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	80.09	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	78.91	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	70.77	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	156.94	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	134.35	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	129.35	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	131.14	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	110.14	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	267.23	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	247.62	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	228.76	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	248.83	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	207.66	18.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	431.68	18.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	368.59	20.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	276.56	20.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	814.54	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	816.14	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	817.63	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	816.02	12.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	

26 Electrical
26 20 Low-Voltage Electrical Distribution
 26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	752.01 7.40	12.34
26 28	13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	805.23 8.63	14.39
26 28	13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	741.69 8.63	14.39
26 28	13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.71 8.63	14.39
26 28	13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	812.67 8.63	14.39
26 28	13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	724.63 9.87	16.45
26 28	13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	743.91 9.87	16.45
26 28	13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	986.31 9.87	16.45
26 28	13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	721.13 9.87	16.45
26 28	13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,103.94 11.10	18.50
26 28	13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.82 11.10	18.50
26 28	13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	930.02 11.10	18.50
26 28	13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	629.22 11.10	18.50
26 28	13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	647.66 11.10	18.50
26 28	13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,428.30 11.10	18.50
26 28	13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,408.37 11.10	18.50
26 28	13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,271.59 11.10	18.50
26 28	13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.04 12.33	20.56
26 28	13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,681.68 12.33	20.56
26 28	13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,080.38 12.33	20.56
26 28	13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,456.80 12.33	20.56
26 28	13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,474.32 12.33	20.56
26 28	13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,623.87 13.57	22.61
26 28	13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,345.72 13.57	22.61
26 28	13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,880.33 13.57	22.61
26 28	13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,248.67 13.57	22.61
26 28	13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,542.02 13.57	22.61
26 28	13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,855.81 13.57	22.61
26 28 16 Enclosed Switches And Circuit Breakers (26 28)					
26 28	16 00-0001		Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28	16 00-0002		Safety Switches, NEMA 1 Enclosure, Neutral Kit (26 28 16 00-0001)		
26 28	16 00-0003		Heavy Duty Fusible Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28	16 00-0004		240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28	16 00-0005	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	282.45	82.23
26 28	16 00-0006	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	434.17	99.08
26 28	16 00-0007	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	590.16	115.94
26 28	16 00-0008	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,011.11	182.54
26 28	16 00-0009	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,116.23	283.68
26 28	16 00-0010	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,516.38	419.35
26 28	16 00-0011	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	4,771.62	493.35
26 28	16 00-0012	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	6,378.43	575.58
26 28	16 00-0013		600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28	16 00-0014	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	418.94	91.36
26 28	16 00-0015	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	505.41	110.10
26 28	16 00-0016	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	788.77	128.68
26 28	16 00-0017	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	1,170.41	203.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0018 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,512.50	315.09
26 28 16 00-0019 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,908.37	465.72
26 28 16 00-0020 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,734.08	547.87
26 28 16 00-0021 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,798.73	639.54
26 28 16 00-0022 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	405.80	129.09
26 28 16 00-0024 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	591.75	171.44
26 28 16 00-0025 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	783.70	190.35
26 28 16 00-0026 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,238.69	298.06
26 28 16 00-0027 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,531.06	489.24
26 28 16 00-0028 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,080.84	685.35
26 28 16 00-0029 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	521.72	142.66
26 28 16 00-0040 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	665.99	190.35
26 28 16 00-0032 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	959.76	214.19
26 28 16 00-0033 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,416.74	326.44
26 28 16 00-0034 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,090.51	527.06
26 28 16 00-0035 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,945.04	761.41
26 28 16 00-0036 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,769.14	904.48
26 28 16 00-0037 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	9,889.35	1,027.82
26 28 16 00-0038 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0039 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	394.47	129.09
26 28 16 00-0049 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	577.10	171.44
26 28 16 00-0041 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	757.06	190.35
26 28 16 00-0042 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,275.33	298.06
26 28 16 00-0043 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,737.57	489.24
26 28 16 00-0044 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,391.52	685.35
26 28 16 00-0045 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,180.40	863.37
26 28 16 00-0046 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	8,829.11	986.71
26 28 16 00-0047 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0048 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	563.30	142.66
26 28 16 00-0049 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	717.09	190.35
26 28 16 00-0050 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,034.47	214.19
26 28 16 00-0051 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,528.59	326.44
26 28 16 00-0052 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,329.15	527.06
26 28 16 00-0053 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,366.50	761.41
26 28 16 00-0054 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,468.86	904.48
26 28 16 00-0055 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,645.20	1,027.82
26 28 16 00-0056 Heavy Duty Non-Fusible Switches (26 28 16 00-0002)		
26 28 16 00-0057 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0056)		
26 28 16 00-0058 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	275.28	118.98
26 28 16 00-0059 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	423.24	165.52
26 28 16 00-0060 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	574.72	190.35
26 28 16 00-0061 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	901.70	304.56
26 28 16 00-0062 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,794.91	507.57
26 28 16 00-0063 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,903.42	692.17
26 28 16 00-0064 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	4,111.01	822.25
26 28 16 00-0065 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	5,399.91	959.64
26 28 16 00-0066 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0056)		
26 28 16 00-0067 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	304.03	131.32
26 28 16 00-0068 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	478.87	185.75
26 28 16 00-0069 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	648.77	211.49
26 28 16 00-0070 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,007.46	331.04
26 28 16 00-0071 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,931.01	543.84
26 28 16 00-0072 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,210.94	761.32
26 28 16 00-0073 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	4,538.74	822.25
26 28 16 00-0074 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	5,985.68	959.64
26 28 16 00-0075 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0076 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	324.95	106.89
26 28 16 00-0077 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	492.34	148.83
26 28 16 00-0078 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	654.19	171.44
26 28 16 00-0079 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,029.49	274.22
26 28 16 00-0080 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,030.15	456.76
26 28 16 00-0081 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,234.44	622.85
26 28 16 00-0082 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	5,453.98	740.03

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0083 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	7,073.23	863.37
26 28 16 00-0084 480 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0085 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	354.98	118.00
26 28 16 00-0086 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	542.55	167.33
26 28 16 00-0087 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	714.52	190.35
26 28 16 00-0088 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,111.53	298.06
26 28 16 00-0089 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	2,175.15	489.24
26 28 16 00-0090 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	3,501.07	685.35
26 28 16 00-0091 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	5,736.78	740.03
26 28 16 00-0092 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0093 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	376.08	118.16
26 28 16 00-0094 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	578.53	167.17
26 28 16 00-0095 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	773.04	190.35
26 28 16 00-0096 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,201.67	297.90
26 28 16 00-0097 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,301.23	489.40
26 28 16 00-0098 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,874.22	685.19
26 28 16 00-0099 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	6,162.95	740.03
26 28 16 00-0100 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	8,027.63	863.37
26 28 16 00-0101 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0102 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	527.61	107.06
26 28 16 00-0103 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	644.33	149.00
26 28 16 00-0104 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	967.68	171.28
26 28 16 00-0105 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,458.24	274.06
26 28 16 00-0106 480 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0107 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	572.17	118.00
26 28 16 00-0108 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	705.42	167.33
26 28 16 00-0109 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,050.41	190.35
26 28 16 00-0110 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,570.92	298.06
26 28 16 00-0111 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0112 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	630.90	118.16
26 28 16 00-0113 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	770.20	167.17
26 28 16 00-0114 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,166.90	190.35
26 28 16 00-0115 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,740.61	297.90
26 28 16 00-0116 General Duty Fusible Switches (26 28 16 00-0002)		
Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0116)		
26 28 16 00-0118 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	201.10	71.53
26 28 16 00-0119 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	270.10	86.09
26 28 16 00-0120 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	404.24	100.65
26 28 16 00-0121 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	738.54	158.78
26 28 16 00-0122 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,710.18	246.27
26 28 16 00-0123 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,164.33	364.50
26 28 16 00-0124 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0125 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	282.70	112.40
26 28 16 00-0126 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	395.62	149.00
26 28 16 00-0127 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	533.97	165.52
26 28 16 00-0128 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	939.85	259.09
26 28 16 00-0129 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,070.38	425.60
26 28 16 00-0130 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,630.05	595.80
26 28 16 00-0131 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0132 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	310.10	112.40
26 28 16 00-0133 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	439.80	149.00
26 28 16 00-0134 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	574.17	165.52
26 28 16 00-0135 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	1,041.13	259.09
26 28 16 00-0136 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,243.50	425.60
26 28 16 00-0137 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,739.79	595.80
26 28 16 00-0138 General Duty Non-Fusible Switches (26 28 16 00-0002)		
26 28 16 00-0139 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0138)		
26 28 16 00-0140 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	275.41	99.49
26 28 16 00-0141 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	360.21	114.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0142 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	786.84	182.78
26 28 16 00-0143 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,656.52	304.24
26 28 16 00-0144 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,828.05	414.58
26 28 16 00-0145 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0138)		
26 28 16 00-0146 EA 30 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	259.87	93.08
26 28 16 00-0147 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	356.76	129.50
26 28 16 00-0148 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	525.66	149.00
26 28 16 00-0149 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	898.40	238.37
26 28 16 00-0150 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,843.17	397.32
26 28 16 00-0151 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,083.21	541.53
26 28 16 00-0152 Safety Switches, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs (26 28 16 00-0001)		
26 28 16 00-0153 Heavy Duty Fusible Switches (26 28 16 00-0152)		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0155 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	406.28	96.62
26 28 16 00-0165 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	632.94	115.94
26 28 16 00-0157 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	787.51	134.84
26 28 16 00-0158 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,155.63	205.56
26 28 16 00-0159 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,509.18	328.90
26 28 16 00-0160 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	4,348.88	438.67
26 28 16 00-0161 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	9,221.58	493.35
26 28 16 00-0162 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	8,535.27	575.58
26 28 16 00-0163 600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0164 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	685.95	128.76
26 28 16 00-0174 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	818.41	157.88
26 28 16 00-0166 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,146.47	181.31
26 28 16 00-0167 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,621.14	271.91
26 28 16 00-0168 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	3,475.90	444.92
26 28 16 00-0169 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	6,319.06	611.84
26 28 16 00-0170 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	9,221.58	704.51
26 28 16 00-0171 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	10,164.51	793.06
26 28 16 00-0172 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0173 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	528.54	152.11
26 28 16 00-0174 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	824.73	201.45
26 28 16 00-0175 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	986.28	221.19
26 28 16 00-0176 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,467.69	342.46
26 28 16 00-0177 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,113.90	571.05
26 28 16 00-0178 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,126.68	761.41
26 28 16 00-0179 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0180 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	790.31	180.32
26 28 16 00-0181 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	945.04	221.02
26 28 16 00-0182 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,250.34	253.74
26 28 16 00-0183 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,820.57	380.70
26 28 16 00-0184 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,770.63	622.94
26 28 16 00-0185 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,715.98	856.54
26 28 16 00-0186 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	9,427.11	986.71
26 28 16 00-0187 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	11,259.64	1,110.03
26 28 16 00-0188 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0189 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	575.00	152.11
26 28 16 00-0190 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	826.08	201.45
26 28 16 00-0191 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,051.61	221.19
26 28 16 00-0192 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,511.26	342.46
26 28 16 00-0193 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,153.87	571.05
26 28 16 00-0194 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,566.35	761.41
26 28 16 00-0195 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	9,146.65	863.37
26 28 16 00-0196 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	11,369.94	986.71
26 28 16 00-0197 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	816.97	180.49
26 28 16 00-0199 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	975.01	221.19
26 28 16 00-0200 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,316.95	253.66
26 28 16 00-0201 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,863.87	380.70
26 28 16 00-0202 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,927.18	622.85
26 28 16 00-0203 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,895.85	856.37
26 28 16 00-0204 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	9,993.49	986.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 00-0205	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	12,006.20	1,110.03
26 28 16 00-0206 Heavy Duty Non-Fusible Switches (26 28 16 00-0152)				
26 28 16 00-0207 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)				
26 28 16 00-0208	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	383.21	84.61
26 28 16 00-0209	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	618.37	117.17
26 28 16 00-0210	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	806.19	134.35
26 28 16 00-0211	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,086.16	217.57
26 28 16 00-0212	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,375.94	362.94
26 28 16 00-0213	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,270.76	483.89
26 28 16 00-0214	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	6,800.37	575.82
26 28 16 00-0215	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,941.81	658.04
26 28 16 00-0216 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)				
26 28 16 00-0217	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	430.74	93.24
26 28 16 00-0218	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	700.00	130.49
26 28 16 00-0219	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	908.81	147.35
26 28 16 00-0220	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,200.95	228.43
26 28 16 00-0221	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,685.60	380.70
26 28 16 00-0222	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,605.80	507.57
26 28 16 00-0223	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	7,248.61	603.20
26 28 16 00-0224	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,527.12	685.19
26 28 16 00-0225 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)				
26 28 16 00-0226	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	467.80	126.88
26 28 16 00-0227	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	735.50	175.72
26 28 16 00-0228	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	940.54	201.53
26 28 16 00-0229	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,303.69	326.36
26 28 16 00-0230	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,772.33	544.33
26 28 16 00-0231	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	4,820.19	725.64
26 28 16 00-0232	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	7,449.38	863.37
26 28 16 00-0233	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	9,808.19	986.71
26 28 16 00-0234 480 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)				
26 28 16 00-0235	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	508.98	139.79
26 28 16 00-0236	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	803.09	195.78
26 28 16 00-0237	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,017.94	221.02
26 28 16 00-0238	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,382.83	342.63
26 28 16 00-0239	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	2,945.82	570.97
26 28 16 00-0240	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,131.77	761.32
26 28 16 00-0241	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	7,940.20	904.48
26 28 16 00-0242	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	10,448.70	1,027.82
26 28 16 00-0243 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)				
26 28 16 00-0244	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	297.02	139.79
26 28 16 00-0245	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	830.51	195.78
26 28 16 00-0246	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,056.17	221.02
26 28 16 00-0247	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,429.35	342.63
26 28 16 00-0248	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,066.27	570.97
26 28 16 00-0249	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,113.36	761.32
26 28 16 00-0250	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,929.89	904.48
26 28 16 00-0251	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	10,434.67	1,027.82
26 28 16 00-0252 General Duty Fusible Switches (26 28 16 00-0152)				
Note: With fuses, neutral bar, and hub if required.				
26 28 16 00-0253 240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0252)				
26 28 16 00-0254	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	257.21	84.03
26 28 16 00-0255	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	356.71	100.81
26 28 16 00-0256	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	463.85	117.25
26 28 16 00-0257	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	929.69	178.75
26 28 16 00-0258	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,221.51	285.98
26 28 16 00-0259	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,893.75	381.52
26 28 16 00-0260 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0252)				
26 28 16 00-0261	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	354.35	132.47
26 28 16 00-0262	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, General Heavy Duty, With Fuses, 240 Volt, 3 Phase	505.77	175.23
26 28 16 00-0263	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	613.48	192.24
26 28 16 00-0264	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,168.59	297.90
26 28 16 00-0265	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,643.70	496.48
26 28 16 00-0266	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,460.63	662.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0267 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	392.74	132.38
26 28 16 00-0269 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	544.35	175.23
26 28 16 00-0270 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	737.52	192.24
26 28 16 00-0271 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,248.67	297.90
26 28 16 00-0272 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,695.14	496.56
26 28 16 00-0273 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,861.88	662.24
26 28 16 00-0274 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	6,879.53	750.22
26 28 16 00-0275 General Duty Non-Fusible Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	231.30	73.60
26 28 16 00-0278 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	372.09	101.88
26 28 16 00-0279 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	394.53	116.84
26 28 16 00-0280 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	950.81	189.12
26 28 16 00-0281 EA 400 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,281.02	315.58
26 28 16 00-0282 EA 600 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	3,973.99	420.75
26 28 16 00-0283 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	360.36	110.35
26 28 16 00-0285 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	516.65	152.77
26 28 16 00-0286 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	739.58	175.23
26 28 16 00-0287 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,265.39	283.76
26 28 16 00-0288 Safety Switches, NEMA 4, 4X Or 5 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289 Heavy Duty Fusible Switches <small>(26 28 16 00-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,018.27	82.23
26 28 16 00-0292 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,223.31	99.08
26 28 16 00-0293 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,465.76	115.77
26 28 16 00-0294 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,418.26	182.70
26 28 16 00-0295 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,918.74	283.51
26 28 16 00-0296 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	9,949.20	419.19
26 28 16 00-0297 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,287.71	91.36
26 28 16 00-0299 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,434.92	110.02
26 28 16 00-0300 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,667.16	128.60
26 28 16 00-0301 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,776.87	203.10
26 28 16 00-0302 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,192.39	315.25
26 28 16 00-0303 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	10,317.59	465.72
26 28 16 00-0304 240 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0305 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,157.06	129.26
26 28 16 00-0306 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,453.45	171.28
26 28 16 00-0307 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,725.38	190.35
26 28 16 00-0308 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,883.70	297.90
26 28 16 00-0309 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,540.70	489.40
26 28 16 00-0310 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	10,756.60	685.19
26 28 16 00-0311 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,393.93	142.74
26 28 16 00-0313 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,599.29	190.35
26 28 16 00-0314 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,845.66	214.11
26 28 16 00-0315 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,033.71	326.27
26 28 16 00-0316 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,795.12	527.06
26 28 16 00-0317 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,096.05	761.32
26 28 16 00-0318 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,374.32	129.26
26 28 16 00-0320 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,725.04	171.28
26 28 16 00-0321 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,268.85	190.35
26 28 16 00-0322 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,626.87	297.90
26 28 16 00-0323 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,003.34	489.40
26 28 16 00-0324 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	12,766.62	685.19
26 28 16 00-0325 600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,650.65	142.74

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0327 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,890.40	190.35
26 28 16 00-0328 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,400.40	214.11
26 28 16 00-0329 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,783.08	326.27
26 28 16 00-0330 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,277.50	527.06
26 28 16 00-0331 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	13,133.48	761.32
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible Switches (26 28 16 00-0288)		
26 28 16 00-0333 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)		
26 28 16 00-0334 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	978.18	82.23
26 28 16 00-0335 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,195.68	114.38
26 28 16 00-0336 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,221.21	131.56
26 28 16 00-0337 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,091.59	210.16
26 28 16 00-0338 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,618.89	349.95
26 28 16 00-0339 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,036.10	476.75
26 28 16 00-0340 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)		
26 28 16 00-0341 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,111.44	90.69
26 28 16 00-0342 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,361.46	128.27
26 28 16 00-0343 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,530.17	146.20
26 28 16 00-0344 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,509.73	228.43
26 28 16 00-0345 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,371.29	375.94
26 28 16 00-0346 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,147.00	526.24
26 28 16 00-0347 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)		
26 28 16 00-0348 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,027.85	107.06
26 28 16 00-0349 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,249.40	149.00
26 28 16 00-0350 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,309.47	171.28
26 28 16 00-0351 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,506.25	274.06
26 28 16 00-0352 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,584.82	456.84
26 28 16 00-0353 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	8,561.71	622.94
26 28 16 00-0354 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)		
26 28 16 00-0355 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,166.26	118.16
26 28 16 00-0356 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,439.23	167.37
26 28 16 00-0357 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,618.47	190.35
26 28 16 00-0358 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,648.65	297.90
26 28 16 00-0359 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,247.80	489.40
26 28 16 00-0360 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	9,731.43	685.19
26 28 16 00-0361 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0332)		
26 28 16 00-0362 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,399.28	107.06
26 28 16 00-0363 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,685.05	149.00
26 28 16 00-0364 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,734.33	171.28
26 28 16 00-0365 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	5,701.18	274.06
26 28 16 00-0366 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0332)		
26 28 16 00-0367 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,590.74	118.16
26 28 16 00-0368 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,919.55	167.17
26 28 16 00-0369 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,256.93	190.35
26 28 16 00-0370 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	6,484.99	297.90
26 28 16 00-0371 Fiberglass Reinforced Polyester Enclosures (26 28 16 00-0288)		
26 28 16 00-0372 600 Volt Class, 3 Pole, Fusible (26 28 16 00-0371)		
26 28 16 00-0373 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,851.82	142.66
26 28 16 00-0374 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,120.53	190.35
26 28 16 00-0375 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,766.66	214.19
26 28 16 00-0376 EA 200 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,919.49	326.44
26 28 16 00-0377 600 Volt Class, 3 Pole, Non-Fusible (26 28 16 00-0371)		
26 28 16 00-0378 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,728.64	118.00
26 28 16 00-0379 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,992.82	167.33
26 28 16 00-0380 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,556.51	190.35
26 28 16 00-0381 EA 200 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,848.10	298.06
26 28 16 00-0382 Krydon Enclosures (26 28 16 00-0288)		
26 28 16 00-0383 600 Volt Class, 3 Pole, Fusible (26 28 16 00-0382)		
26 28 16 00-0384 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,110.31	142.66
26 28 16 00-0385 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,409.78	190.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0386 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,313.66	214.19
26 28 16 00-0387 600 Volt Class, 3 Pole, Non-Fusible <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,973.21	118.00
26 28 16 00-0389 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,266.69	167.33
26 28 16 00-0390 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,081.54	190.35
26 28 16 00-0391 Safety Switches, NEMA 7 Or 9 Enclosures, Neutral Kit <small>(26 28 16 00-0001)</small>		
<small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
26 28 16 00-0392 Heavy Duty Fusible Switches <small>(26 28 16 00-0391)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0393 EA 30 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,687.11	164.45
26 28 16 00-0394 EA 60 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,749.75	195.78
26 28 16 00-0395 EA 100 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,118.00	221.02
26 28 16 00-0396 EA 200 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,450.08	342.63
26 28 16 00-0397 Heavy Duty Non-Fusible Switch <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,334.27	195.78
26 28 16 00-0399 EA 100 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,558.65	221.02
26 28 16 00-0400 EA 200 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	2,843.07	342.63
26 28 16 00-0401 Safety Switches, NEMA 12 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible Switches <small>(26 28 16 00-0401)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0403 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	389.95	82.23
26 28 16 00-0405 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	506.32	99.08
26 28 16 00-0406 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	684.11	115.94
26 28 16 00-0407 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,149.43	182.54
26 28 16 00-0408 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,415.70	283.68
26 28 16 00-0409 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,329.10	419.35
26 28 16 00-0410 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	599.08	91.27
26 28 16 00-0412 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	623.24	110.18
26 28 16 00-0413 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	887.28	128.68
26 28 16 00-0414 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,388.85	203.10
26 28 16 00-0415 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,985.48	314.92
26 28 16 00-0416 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,850.35	465.80
26 28 16 00-0417 240 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	547.21	129.09
26 28 16 00-0419 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	755.27	171.44
26 28 16 00-0420 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,015.83	190.35
26 28 16 00-0421 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,515.11	298.06
26 28 16 00-0422 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	2,940.75	489.24
26 28 16 00-0423 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,685.99	685.35
26 28 16 00-0424 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	718.52	142.66
26 28 16 00-0426 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	823.68	190.35
26 28 16 00-0427 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,191.02	214.19
26 28 16 00-0428 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,738.44	326.44
26 28 16 00-0429 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,588.96	527.06
26 28 16 00-0430 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,672.21	761.41
26 28 16 00-0431 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0432 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	581.67	129.09
26 28 16 00-0433 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	778.95	171.44
26 28 16 00-0434 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,090.15	190.35
26 28 16 00-0435 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,608.42	298.06
26 28 16 00-0436 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,190.57	489.24
26 28 16 00-0437 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,854.77	685.35
26 28 16 00-0438 600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0439 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	758.48	142.66
26 28 16 00-0440 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	930.27	190.35
26 28 16 00-0441 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,264.31	214.19

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0442 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,878.34	326.44
26 28 16 00-0443 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,815.46	527.06
26 28 16 00-0444 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,858.73	761.41
26 28 16 00-0445 Heavy Duty Non-Fusible Switches (26 28 16 00-0401)		
26 28 16 00-0446 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0447 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	406.72	118.82
26 28 16 00-0448 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	541.20	165.68
26 28 16 00-0449 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	710.74	190.35
26 28 16 00-0450 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,021.36	304.65
26 28 16 00-0451 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,208.00	507.74
26 28 16 00-0452 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,470.05	692.33
26 28 16 00-0453 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0454 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	453.03	131.15
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	601.87	185.83
26 28 16 00-0456 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	792.01	211.32
26 28 16 00-0457 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,109.75	330.96
26 28 16 00-0458 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,339.77	543.92
26 28 16 00-0459 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,833.81	761.41
26 28 16 00-0460 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		
26 28 16 00-0461 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	524.19	106.89
26 28 16 00-0462 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	692.27	148.83
26 28 16 00-0463 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	913.07	171.44
26 28 16 00-0464 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,312.81	274.22
26 28 16 00-0465 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,726.61	456.76
26 28 16 00-0466 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	4,271.27	622.85
26 28 16 00-0467 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		
26 28 16 00-0468 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	517.41	118.00
26 28 16 00-0469 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	750.60	167.33
26 28 16 00-0470 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	980.23	190.35
26 28 16 00-0471 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,305.31	298.06
26 28 16 00-0472 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,747.57	489.24
26 28 16 00-0473 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	5,067.69	685.35
26 28 16 00-0474 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0475 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	622.79	106.89
26 28 16 00-0476 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	748.35	148.83
26 28 16 00-0477 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,142.79	171.44
26 28 16 00-0478 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,812.97	274.22
26 28 16 00-0479 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,232.29	349.46
26 28 16 00-0480 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0481 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	649.31	118.00
26 28 16 00-0482 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	817.22	167.33
26 28 16 00-0483 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,223.38	190.35
26 28 16 00-0484 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,868.22	298.06
26 28 16 00-0485 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,467.19	460.46
26 28 16 00-0486 Double Throw Safety Switches (26 28 16 00-0001)		
26 28 16 00-0487 Safety Switches, NEMA 1 Enclosure (26 28 16 00-0486) Note: With neutral kit.		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0489 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	490.37	105.66
26 28 16 00-0490 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	718.12	138.14
26 28 16 00-0491 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,002.68	180.49
26 28 16 00-0492 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,335.01	234.75
26 28 16 00-0493 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,127.18	293.54
26 28 16 00-0494 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	5,667.29	470.74
26 28 16 00-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0496 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	623.84	148.00
26 28 16 00-0497 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	866.17	193.23
26 28 16 00-0498 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,290.56	252.84
26 28 16 00-0499 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,880.45	328.90
26 28 16 00-0500 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,311.44	411.13
26 28 16 00-0501 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,045.64	657.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	824.86	185.01
26 28 16 00-0504 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,190.53	241.75
26 28 16 00-0505 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,073.76	315.74
26 28 16 00-0506 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,833.12	410.31
26 28 16 00-0507 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	5,601.66	513.91
26 28 16 00-0508 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,147.02	823.49
26 28 16 00-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	822.03	138.14
26 28 16 00-0511 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,226.65	180.49
26 28 16 00-0512 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,797.43	234.75
26 28 16 00-0513 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,149.40	293.54
26 28 16 00-0514 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,146.25	470.74
26 28 16 00-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	932.10	193.23
26 28 16 00-0517 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,370.97	252.84
26 28 16 00-0518 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,984.92	328.90
26 28 16 00-0519 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,384.37	411.13
26 28 16 00-0520 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,521.45	657.80
26 28 16 00-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,255.63	241.75
26 28 16 00-0523 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,167.71	315.74
26 28 16 00-0524 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,027.61	410.31
26 28 16 00-0525 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,015.82	513.91
26 28 16 00-0526 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,610.41	823.49
26 28 16 00-0527 Safety Switches, NEMA 3R Enclosure <small>(26 28 16 00-0486)</small>		
Note: With neutral kit.		
26 28 16 00-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0529 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,238.19	180.49
26 28 16 00-0530 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,780.57	234.75
26 28 16 00-0531 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	8,950.43	293.54
26 28 16 00-0532 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	15,403.83	470.74
26 28 16 00-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0534 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,628.28	252.43
26 28 16 00-0535 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,602.65	328.49
26 28 16 00-0536 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	9,264.19	411.13
26 28 16 00-0537 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	10,138.02	659.04
26 28 16 00-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0539 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,550.15	185.09
26 28 16 00-0540 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,926.29	241.57
26 28 16 00-0541 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,693.27	315.66
26 28 16 00-0542 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	3,879.98	410.47
26 28 16 00-0543 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	6,527.25	513.91
26 28 16 00-0544 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	7,687.96	823.57
26 28 16 00-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0546 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,045.19	138.14
26 28 16 00-0547 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,581.01	180.49
26 28 16 00-0548 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,847.16	234.75
26 28 16 00-0549 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	5,426.22	293.54
26 28 16 00-0550 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	7,277.55	470.74
26 28 16 00-0551 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0552 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,196.27	193.23
26 28 16 00-0553 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,789.69	252.43
26 28 16 00-0554 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	3,159.77	328.49
26 28 16 00-0555 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	5,915.88	411.13
26 28 16 00-0556 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	7,985.79	659.04
26 28 16 00-0557 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0558 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,941.35	241.57

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0559 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,700.18	315.66
26 28 16 00-0560 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	3,975.89	410.47
26 28 16 00-0561 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,515.93	513.91
26 28 16 00-0562 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,750.38	823.57
26 28 16 00-0563 Safety Switches, NEMA 12 Enclosure <small>(26 28 16 00-0486)</small>		
Note: With neutral kit.		
26 28 16 00-0564 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0565 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,226.52	105.74
26 28 16 00-0566 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,395.32	138.05
26 28 16 00-0567 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,586.84	180.40
26 28 16 00-0568 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,177.10	234.59
26 28 16 00-0569 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	4,019.97	293.62
26 28 16 00-0570 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,908.82	470.57
26 28 16 00-0571 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0572 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,418.23	148.00
26 28 16 00-0573 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,683.47	193.23
26 28 16 00-0574 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,005.49	252.43
26 28 16 00-0575 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,788.27	328.49
26 28 16 00-0576 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,020.15	411.13
26 28 16 00-0577 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	6,671.86	659.04
26 28 16 00-0578 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0579 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,106.87	185.09
26 28 16 00-0580 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,473.30	241.57
26 28 16 00-0581 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,385.86	315.66
26 28 16 00-0582 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,593.83	410.47
26 28 16 00-0583 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,422.35	513.91
26 28 16 00-0584 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,525.37	823.57
26 28 16 00-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0586 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,826.24	138.05
26 28 16 00-0587 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,932.04	180.40
26 28 16 00-0588 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	3,627.60	234.59
26 28 16 00-0589 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,220.02	293.62
26 28 16 00-0590 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	7,034.61	470.57
26 28 16 00-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0592 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,018.26	193.23
26 28 16 00-0593 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,159.14	252.43
26 28 16 00-0594 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	3,981.16	328.49
26 28 16 00-0595 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,698.64	411.13
26 28 16 00-0596 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	7,729.81	659.04
26 28 16 00-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0563)</small>		
26 28 16 00-0598 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,497.85	241.57
26 28 16 00-0599 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,566.95	315.66
26 28 16 00-0600 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,700.57	410.47
26 28 16 00-0601 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,652.11	513.91
26 28 16 00-0602 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,829.91	823.57
26 28 16 00-0603 Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
Note: Includes storage and cleaning.		
26 28 16 00-0604 EA Remove And Reinstall Safety Disconnect Switch Up To 100 Amp	411.13	
26 28 16 00-0605 EA Remove And Reinstall Safety Disconnect Switch 101 To 200 Amp	534.49	
26 28 16 00-0606 EA Remove And Reinstall Safety Disconnect Switch 201 To 300 Amp	596.17	
26 28 16 00-0607 EA Remove And Reinstall Safety Disconnect Switch 301 To 400 Amp	698.96	
26 29 Low-Voltage Controllers <small>(26 20)</small>		
26 29 13 Enclosed Controllers <small>(26 29)</small>		
26 29 13 13 Across-The-Line Motor Controllers <small>(26 29 13)</small>		
26 29 13 13-0001 Manual Motor Starters <small>(26 29 13 13)</small>		
26 29 13 13-0002 Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	143.64	41.18
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	188.02	53.54
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	160.74	41.18
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	205.12	53.54
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	151.05	41.18
<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	197.71	53.54
<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	293.50	49.41
<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	339.58	61.77
<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	310.60	49.41
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	354.97	61.77
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	118.66	41.18
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	189.02	53.54
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	133.49	45.30
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	204.41	57.66
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	134.61	41.18
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	205.52	53.54
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	271.54	49.41
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	335.84	61.77
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	286.92	53.54
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	349.58	65.89
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	286.94	49.41
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	355.64	61.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	86.26	28.82
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	156.61	41.18
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	101.09	32.95
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	171.44	45.30
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0030 Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	306.10	74.13
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	440.22	98.84
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0033 Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	306.10	74.13
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	440.22	98.84
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	273.84	49.41
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	273.84	49.41
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	550.23	57.66
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	550.23	57.66
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	712.11	57.66
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	346.74	57.66
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	232.03	37.07
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	323.11	53.54
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	323.11	53.54
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	655.93	61.77
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	655.93	61.77
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	830.35	61.77
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	396.01	61.77
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	281.30	41.18
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	419.70	57.66
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	419.70	57.66
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	777.03	65.89
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	777.03	65.89
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	944.04	65.89
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	494.31	65.89
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	379.59	45.30
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	339.30	61.77
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	339.30	61.77
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	615.70	70.00
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	615.70	70.00
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	782.14	70.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	412.78	70.00
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	299.21	49.41
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	388.58	65.89
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	388.58	65.89
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	721.40	74.13
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	721.40	74.13
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	899.81	74.13
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	461.48	74.13
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	346.77	53.54
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	770.62	86.48
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	770.62	86.48
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	672.75	61.77
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	908.50	94.72
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	810.64	70.00
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	770.62	86.48
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	672.75	61.77
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	908.50	94.72
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	810.64	70.00
26 29 13 13-0083 Magnetic Contactors/Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	328.32	82.36
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	368.73	90.59
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	352.26	82.36
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	393.24	90.59
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	433.65	98.84
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	547.48	123.54
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	686.38	148.25
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	408.63	90.59
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	449.04	98.84
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	490.59	107.07
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	629.70	144.13
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	768.03	168.84
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	669.06	98.84
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	749.83	123.54
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	978.68	164.73
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	993.79	123.54
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,141.70	164.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	1,450.92	205.91
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	2,053.13	247.09
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	2,214.15	205.91
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	2,443.01	247.09
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	3,288.03	288.27
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	4,399.82	247.09
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	4,905.97	329.45
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	12,581.58	494.18
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	18,028.48	741.26
26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	345.99	82.36
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	386.40	90.59
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	369.93	82.36
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	411.48	90.59
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	451.89	98.84
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	566.86	123.54
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	706.33	148.25
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	427.44	90.59
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	468.99	98.84
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	509.40	107.07
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	649.08	144.13
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	786.84	168.84
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	753.42	98.84
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	834.76	123.54
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,063.04	164.73
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,159.66	123.54
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,307.00	164.73
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	1,616.79	205.91
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	2,557.86	205.91
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	2,786.72	247.09
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	5,532.40	329.45
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	15,336.39	494.18
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	20,791.27	741.26
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	508.95	90.59
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	549.36	98.84
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	606.87	107.07
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	931.26	98.84
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,013.17	123.54
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,370.56	123.54
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,517.33	164.73



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0144	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	3,484.97	247.09
26 29 13 13-0145	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	7,319.35	329.45
26 29 13 13-0146	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	17,527.47	494.18
26 29 13 13-0147			NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	736.32	98.84
26 29 13 13-0149	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	761.40	98.84
26 29 13 13-0150	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	801.81	107.07
26 29 13 13-0151	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	941.49	144.13
26 29 13 13-0152	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,419.58	123.54
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,134.64	164.73
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,199.75	247.09
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	7,319.35	329.45
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	19,394.79	494.18
26 29 13 13-0157			NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,443.46	131.78
26 29 13 13-0159			Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160			Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	384.75	82.36
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	401.22	90.59
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	429.15	90.59
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	474.12	98.84
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	757.63	148.25
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	486.66	98.84
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	567.54	107.07
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	591.48	107.07
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	720.93	98.84
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	823.36	123.54
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,263.11	164.73
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,629.97	247.09
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	5,875.54	329.45
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,389.27	494.18
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,300.72	741.26
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	403.56	82.36
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	420.03	90.59
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	447.96	90.59
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	492.93	98.84
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	504.90	98.84
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	550.44	107.07

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	610.86	107.07
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	805.86	98.84
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	908.29	123.54
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,428.98	164.73
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	2,973.68	247.09
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,503.68	329.45
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	545.43	90.59
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	590.40	98.84
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	602.37	98.84
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	647.91	107.07
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	708.33	107.07
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	984.27	98.84
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,086.13	123.54
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	1,639.31	164.73
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,671.36	247.09
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	8,288.92	329.45
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	19,642.74	494.18
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	545.43	90.59
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	590.40	98.84
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	602.37	98.84
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	647.91	107.07
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	708.33	107.07
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	984.27	98.84
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,086.13	123.54
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	1,639.31	164.73
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	3,671.36	247.09
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	1,505.53	140.02
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	1,837.27	140.02
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	1,894.78	148.25
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	2,909.84	164.73
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	3,512.04	205.91
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	5,580.00	288.27
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	731.82	90.59
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	777.36	98.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	797.31	98.84
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	842.85	107.07
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	903.27	107.07
26 29 13 13-0224 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	1,389.54	98.84
26 29 13 13-0225 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,256.05	164.73
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	4,385.57	247.09
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	9,662.05	329.45
26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Glass polyester enclosure.		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,493.11	123.54
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	2,738.27	164.73
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	5,359.13	247.09
26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	1,455.43	131.78
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,505.53	140.02
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	1,526.05	140.02
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	1,573.87	148.25
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	1,643.41	148.25
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	2,394.56	164.73
26 29 13 13-0239 Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	706.05	107.07
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	741.96	107.07
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	819.99	115.31
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	852.43	123.54
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	872.38	123.54
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	933.31	131.78
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	975.12	144.13
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SC07)	995.64	144.13
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	1,668.38	164.73
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	2,718.32	247.09
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	6,173.36	370.63
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	11,424.48	494.18
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	36,724.47	905.99
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	723.78	98.84
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	757.35	107.07
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	777.87	107.07
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	854.19	115.31
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	887.77	123.54

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	908.29	123.54
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	984.61	131.78
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,026.42	144.13
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,046.94	144.13
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	1,801.76	164.73
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	2,949.17	247.09
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	6,597.44	370.63
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,033.69	123.54
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,054.21	123.54
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,192.86	144.13
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,045.72	164.73
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,281.07	123.54
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,504.45	131.78
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	95.99	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	160.34	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	95.99	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	160.34	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	160.34	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	80.82	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	72.37	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	95.99	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	80.82	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	107.69	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0286 EA 30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	119.17	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0287 EA 45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	203.02	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0288 EA 60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	215.37	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0289 EA 30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	257.84	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0290 EA 45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	446.99	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0291 EA 60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	446.99	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	29.33	6.17
For Factory Installed Accessory, Deduct	-12.36	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	58.07	8.23
For Factory Installed Accessory, Deduct	-16.47	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	76.49	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	60.89	10.29
For Factory Installed Accessory, Deduct	-20.59	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	34.01	6.17
For Factory Installed Accessory, Deduct	-12.36	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	21.66	6.17
For Factory Installed Accessory, Deduct	-12.36	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	104.22	8.23
For Factory Installed Accessory, Deduct	-16.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) <i>For Factory Installed Accessory, Deduct</i>	178.54 -20.59	10.29
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) <i>For Factory Installed Accessory, Deduct</i>	366.96 -197.67	98.84
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) <i>For Factory Installed Accessory, Deduct</i>	366.39 -197.67	98.84
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) <i>For Factory Installed Accessory, Deduct</i>	396.54 -214.14	107.07
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) <i>For Factory Installed Accessory, Deduct</i>	387.48 -197.67	98.84
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) <i>For Factory Installed Accessory, Deduct</i>	421.05 -214.14	107.07
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) <i>For Factory Installed Accessory, Deduct</i>	405.72 -197.67	98.84
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) <i>For Factory Installed Accessory, Deduct</i>	474.52 -247.09	123.54
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) <i>For Factory Installed Accessory, Deduct</i>	521.83 -247.09	123.54
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) <i>For Factory Installed Accessory, Deduct</i>	651.93 -288.27	144.13
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) <i>For Factory Installed Accessory, Deduct</i>	370.44 -181.20	90.59
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) <i>For Factory Installed Accessory, Deduct</i>	400.59 -197.67	98.84
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) <i>For Factory Installed Accessory, Deduct</i>	399.45 -197.67	98.84
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	431.31 -214.14	107.07
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	421.11 -197.67	98.84
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	455.25 -214.14	107.07
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	440.49 -197.67	98.84
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	508.72 -247.09	123.54
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	554.32 -247.09	123.54
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	684.99 -288.27	144.13
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory <i>Note: Or Hand-Off-Auto Selector Switch Kit</i> <i>For Factory Installed Accessory, Deduct</i>	107.69 -20.59	10.29
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)		
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	114.85	41.18
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	133.34	45.30

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	133.34	45.30
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	147.86	49.41
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	125.11	41.18
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	130.81	41.18
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	143.03	45.30
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	148.73	45.30
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	146.45	45.30
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	148.73	45.30
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	159.26	49.41
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	152.15	45.30
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	164.96	49.41
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	153.29	45.30
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	153.29	45.30
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	170.66	49.41
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	170.66	49.41
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	156.46	41.18
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	167.86	41.18
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	185.78	45.30
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	185.78	45.30
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	197.18	45.30
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	207.71	49.41
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	207.71	49.41
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	177.55	41.18
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	188.95	41.18
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	205.73	45.30
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	217.13	45.30
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	231.08	49.41



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	242.48	49.41
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	199.46	45.30
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	226.25	45.30
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	255.02	49.41
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	50.13	20.59
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	54.53	20.59
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	62.50	20.59
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	78.35	20.59
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)		
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,758.83	394.68
For NEMA 4, Add	619.09	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,100.63	526.24
For NEMA 4, Add	1,130.81	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,756.99	624.91
For NEMA 4, Add	2,063.90	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,492.24	764.69
For NEMA 4, Add	5,246.20	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,448.00	978.48
For NEMA 4, Add	8,436.28	
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,717.58	403.07
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,025.28	527.06
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,619.46	622.94
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,142.66	761.32
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	68,885.84	978.89
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	7,215.29	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	311.49	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	311.49	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0398	EA		Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399	EA		Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400			Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401			240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402			NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,069.08	189.12
			<i>For Electronic Overloads, Add</i>	130.80	
26 29 13 13-0404	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,322.06	296.01
			<i>For Electronic Overloads, Add</i>	137.98	
26 29 13 13-0405	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,835.08	345.35
			<i>For Electronic Overloads, Add</i>	218.48	
26 29 13 13-0406	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,770.43	427.57
			<i>For Electronic Overloads, Add</i>	363.64	
26 29 13 13-0407	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,062.10	682.47
			<i>For Electronic Overloads, Add</i>	701.42	
26 29 13 13-0408	EA		Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,001.64	855.14
			<i>For Electronic Overloads, Add</i>	1,574.84	
26 29 13 13-0409			NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,341.41	189.12
			<i>For Electronic Overloads, Add</i>	182.54	
26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,594.40	296.01
			<i>For Electronic Overloads, Add</i>	189.73	
26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,099.85	345.35
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,914.17	427.57
			<i>For Electronic Overloads, Add</i>	390.96	
26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,886.67	682.47
			<i>For Electronic Overloads, Add</i>	858.09	
26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,187.90	855.14
			<i>For Electronic Overloads, Add</i>	1,990.23	
26 29 13 13-0416			Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	124.02	
26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	201.04	
26 29 13 13-0420			NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,922.20	246.68
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,137.67	345.35
			<i>For Electronic Overloads, Add</i>	275.97	
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,030.82	378.23
			<i>For Electronic Overloads, Add</i>	431.20	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,779.28	460.46
			<i>For Electronic Overloads, Add</i>	734.48	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,558.52	682.47
			<i>For Electronic Overloads, Add</i>	1,175.74	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,371.30	855.14
			<i>For Electronic Overloads, Add</i>	2,785.07	
26 29 13 13-0427			NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,194.54	246.68
			<i>For Electronic Overloads, Add</i>	320.53	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,410.01	345.35
			<i>For Electronic Overloads, Add</i>	327.71	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,295.60	378.23
			<i>For Electronic Overloads, Add</i>	481.51	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,923.01	460.46
			<i>For Electronic Overloads, Add</i>	761.79	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,383.09	682.47
			<i>For Electronic Overloads, Add</i>	1,332.41	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,516.46	855.14
			<i>For Electronic Overloads, Add</i>	2,622.65	
26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	124.04	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	201.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,103.50 <i>137.34</i>	190.35
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,358.37 <i>144.88</i>	297.90
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,892.57 <i>229.40</i>	342.63
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,866.13 <i>381.83</i>	428.23
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,246.68 <i>736.49</i>	685.27
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	10,416.06 <i>1,653.58</i>	856.45
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,428.69 <i>199.12</i>	190.35
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,685.11 <i>206.96</i>	297.90
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,228.35 <i>293.20</i>	342.63
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,101.08 <i>426.47</i>	428.23
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	6,296.92 <i>936.04</i>	685.27
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	13,139.42 <i>2,171.02</i>	856.45
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,486.79	394.68
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,366.81	526.24
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,701.72	723.58
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,476.27	986.71
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,223.16	1,381.39
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,327.92	246.68
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,560.50	345.35
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,224.45	378.23
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,338.07	460.46
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,448.23	682.47
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,471.61	246.68
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,713.89	345.35
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,404.01	378.23
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,090.86	460.46
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,933.92	682.47
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,411.48	253.83
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,649.66	342.63
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,373.47	380.70
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,585.01	456.84
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,965.44	685.27
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,569.81	253.83

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,818.67	342.63
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,571.32	380.70
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,312.63	456.84
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,500.59	685.27
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,027.91	526.24
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,276.76	657.80
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,688.47	855.14
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,398.10	1,118.26
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,370.84	1,512.94
26 29 13 13-0498 Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,039.82	148.00
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,240.89	148.00
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Remove And Reinstall Motor Starter With Disconnect Up To 25 HP	587.32	
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open.....	321.00	82.23
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	321.00	82.23
26 29 13 13-0507 EA Pilot Light Kit.....	336.79	82.23
26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,399.10	166.62
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	1,570.10	166.62
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,826.10	166.62
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	1,994.10	166.62
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,102.10	166.62
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,166.28	166.62
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	2,415.55	250.42
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	2,939.13	250.42
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	3,560.92	333.14
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	4,118.94	333.14
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	5,125.00	416.96
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	6,390.76	416.96
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	7,803.92	489.57
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	8,773.07	585.34
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	9,944.07	585.34
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	11,733.07	585.34
26 29 23 00-0018 460/480 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive	1,896.60	146.28
Note: Wall mounted.		
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive	2,035.10	166.62
Note: Wall mounted.		
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive	2,162.55	250.42
Note: Wall mounted.		
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive	2,397.06	250.43
Note: Wall mounted.		
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive	3,029.92	333.14
Note: Wall mounted.		
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive	3,542.20	333.16
Note: Wall mounted.		
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive	4,447.00	416.97
Note: Wall mounted.		
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive	5,076.76	416.96
Note: Wall mounted.		
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive	6,094.92	489.57
Note: Wall mounted.		
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive	7,216.07	585.34
Note: Wall mounted.		
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive	8,386.23	625.83
Note: Wall mounted.		
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive	9,495.38	666.33
Note: Wall mounted.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,354.24	706.63
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,472.99	746.33
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,504.00	833.87
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	20,858.64	914.24
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,855.32	995.07
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,622.67	1,166.12
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,727.50	1,320.92
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,000.98	1,492.65
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,411.30	1,677.10

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Photovoltaic Collectors (26 31)
 Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0004 EA 205 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,039.27	78.12
<i>For >50, Deduct</i>	-88.30	
26 31 00 00-0005 EA 210 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,152.48	78.12
<i>For >50, Deduct</i>	-99.63	
26 31 00 00-0006 EA 215 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,081.16	78.12
<i>For >50, Deduct</i>	-92.49	

26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0008 EA 224 W Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	870.59	78.12
<i>For >50, Deduct</i>	-71.44	
26 31 00 00-0009 EA 230 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	984.93	78.12
<i>For >50, Deduct</i>	-82.87	
26 31 00 00-0010 EA 235 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,003.04	78.12
<i>For >50, Deduct</i>	-84.68	
26 31 00 00-0011 EA 240 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	946.44	78.12
<i>For >50, Deduct</i>	-79.02	

26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013 EA 50 W Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	449.39	78.12
<i>For >50, Deduct</i>	-29.32	
26 31 00 00-0014 EA 75 W Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	545.62	78.12
<i>For >50, Deduct</i>	-38.94	
26 31 00 00-0015 EA 80 W Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	584.11	78.12
<i>For >50, Deduct</i>	-42.79	

26 31 00 00-0016 Photovoltaic Inverters (26 31)

26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	2,853.19	82.23
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	4,555.87	82.23
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,691.72	82.23
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	5,699.29	82.23
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	6,278.03	82.23
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	7,291.02	82.23
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	8,275.11	164.45
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	8,388.32	164.45
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894).....	242.65	41.11

26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA SB 4000US).....	2,955.08	82.23
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA SB 5000US).....	3,809.81	82.23
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA SB 6000US).....	4,024.91	82.23
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA SB 7000US).....	4,306.80	82.23

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA SB 8000US).....	4,691.72	82.23
26 31 00 00-0033 EA 36 KW AC Tower Photovoltaic Inverter (SMA ST36).....	24,058.31	328.90
26 31 00 00-0034 EA 42 KW AC Tower Photovoltaic Inverter (SMA ST42).....	25,977.22	328.90
26 31 00 00-0035 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0036 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	2,366.53	82.23
26 31 00 00-0037 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,473.15	82.23
26 31 00 00-0038 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	2,728.14	82.23
26 31 00 00-0039 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,237.47	102.78
26 31 00 00-0040 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	3,946.17	123.34
26 31 00 00-0041 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	3,978.62	123.34
26 31 00 00-0042 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,194.65	123.34
26 31 00 00-0043 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	52,531.80	657.80
26 31 00 00-0044 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	46,939.23	657.80
26 31 00 00-0045 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	58,769.68	657.80
26 31 00 00-0046 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	52,929.17	657.80
26 31 00 00-0047 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0048 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	7,838.50	164.45
26 31 00 00-0049 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	7,838.50	164.45
26 31 00 00-0050 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	8,065.30	164.45
26 31 00 00-0051 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	8,065.30	164.45
26 31 00 00-0052 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	24,548.71	493.35
26 31 00 00-0053 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	23,414.71	493.35
26 31 00 00-0054 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	26,816.71	493.35
26 31 00 00-0055 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	26,186.71	493.35
26 31 00 00-0056 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	28,454.71	493.35
26 31 00 00-0057 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	27,194.71	493.35
26 31 00 00-0058 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	30,043.60	657.80
26 31 00 00-0059 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	28,657.60	657.80
26 31 00 00-0060 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	31,177.60	657.80
26 31 00 00-0061 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	29,539.60	657.80
26 31 00 00-0062 Xantrex Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0063 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	334.61	20.56
26 31 00 00-0064 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	363.76	20.56
26 31 00 00-0065 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	578.00	20.56
26 31 00 00-0066 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0067 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)..... Note: Hazardous locations.	206.58	30.83
26 31 00 00-0068 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	143.18	30.83
26 31 00 00-0069 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	369.60	30.83
26 31 00 00-0070 Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0071 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0070)		
26 31 00 00-0072 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	245.96	82.23
26 31 00 00-0073 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	264.07	82.23
26 31 00 00-0074 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	416.50	123.34
26 31 00 00-0075 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	426.68	123.34
26 31 00 00-0076 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	625.93	123.34
26 31 00 00-0077 SMA Photovoltaic Combiner Boxes (26 31 00 00-0070)		
26 31 00 00-0078 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	559.55	82.23
26 31 00 00-0079 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	713.52	82.23
26 31 00 00-0080 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,477.98	164.45
26 31 00 00-0081 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,340.64	164.45
26 31 00 00-0082 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	804.09	82.23
26 31 00 00-0083 Photovoltaic Charge Controller (26 31)		
26 31 00 00-0084 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	168.09	30.83
26 31 00 00-0085 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	219.03	30.83
26 31 00 00-0086 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	252.99	30.83
26 31 00 00-0087 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	197.52	30.83
26 31 00 00-0088 EA MPPT Charge Controller (Xantrex XW SCC).....	650.49	41.11
26 31 00 00-0089 Photovoltaic Batteries (26 31)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0090 Concorde Photovoltaic Batteries <small>(26 31 00 00-0089)</small>					
			26 31 00 00-0091 EA 34 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	146.85	12.34
			26 31 00 00-0092 EA 45 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	185.62	16.45
			26 31 00 00-0093 EA 49 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	200.38	16.45
			26 31 00 00-0094 EA 56 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	232.61	24.67
			26 31 00 00-0095 EA 69 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	263.15	24.67
			26 31 00 00-0096 EA 89 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	312.11	28.77
			26 31 00 00-0097 EA 104 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	357.81	32.89
			26 31 00 00-0098 EA 108 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	353.93	32.89
			26 31 00 00-0099 EA 210 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	638.13	39.06
			26 31 00 00-0100 EA 255 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	735.91	41.11
26 31 00 00-0101 Deka Photovoltaic Batteries <small>(26 31 00 00-0089)</small>					
			26 31 00 00-0102 EA 31 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	157.79	20.59
			26 31 00 00-0103 EA 50 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	213.26	20.59
			26 31 00 00-0104 EA 74 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	309.49	20.59
			26 31 00 00-0105 EA 86 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	352.51	20.59
			26 31 00 00-0106 EA 98 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	353.64	20.59
			26 31 00 00-0107 EA 183 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	675.16	20.59
			26 31 00 00-0108 EA 225 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	779.31	20.59
26 31 00 00-0109 Battery Enclosures <small>(26 31 00 00-0089)</small>					
			26 31 00 00-0110 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	176.96	20.56
			26 31 00 00-0111 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	825.73	20.59
			26 31 00 00-0112 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	777.04	20.59
			26 31 00 00-0113 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,031.77	20.59
			26 31 00 00-0114 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	465.72	20.59
			26 31 00 00-0115 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,080.45	20.59
26 31 00 00-0116 Photovoltaic System Monitoring <small>(26 31)</small>					
			26 31 00 00-0117 EA Solar Inverter Monitor (Xantrex 864-0203).....	372.27	41.11
			26 31 00 00-0118 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	627.54	20.56
			26 31 00 00-0119 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	603.76	20.56
			26 31 00 00-0120 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	93.19	20.56
			26 31 00 00-0121 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	218.08	41.11
			26 31 00 00-0122 EA Sunny Boy Control with RS485 (SMA).....	832.45	20.56
			26 31 00 00-0123 EA RS 485 Module (SMA).....	176.96	20.56
			26 31 00 00-0124 EA RS 232 Module (SMA).....	176.96	20.56
			26 31 00 00-0125 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	407.14	20.56
			26 31 00 00-0126 EA Bluetooth Piggy-Back Computer Card (SMA).....	229.04	20.56
			26 31 00 00-0127 EA RS485-N Communication Computer Card (SMA).....	162.24	20.56
			26 31 00 00-0128 EA Bluetooth Repeater (SMA).....	637.73	20.56
			26 31 00 00-0129 EA Sunny Boy PC Service Cable (SMA).....	219.51	6.16
			26 31 00 00-0130 EA Integrated Revenue Grade Meter, Option (PVPowered).....	2,903.84	
			26 31 00 00-0131 EA Data Monitoring Module (PVPowered PVM1010).....	310.55	20.56
			26 31 00 00-0132 EA Wireless IG Personal Display (Fronius 4,240,108).....	382.24	
			26 31 00 00-0133 EA DatCom Power Supply (Fronius 43,0001,2311).....	105.92	
			26 31 00 00-0134 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	189.42	20.56
			26 31 00 00-0135 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	184.89	20.56
			26 31 00 00-0136 EA Datalogger Pro Box (Fronius 4,240,102).....	784.90	20.56
			26 31 00 00-0137 EA Datalogger Easy Box (Fronius 4,240,103).....	510.93	20.56
			26 31 00 00-0138 EA Datalogger Interface Box (Fronius 4,240,105).....	885.66	20.56
			26 31 00 00-0139 EA Datalogger Web (Fronius 4,240,122).....	1,403.03	20.56
			26 31 00 00-0140 EA Interface Box (Fronius 4,240,109).....	410.17	20.56
			26 31 00 00-0141 EA Interface Card (Fronius 4,240,009,Z).....	251.68	20.56
			26 31 00 00-0142 EA Interface Card Easy (Fronius 4,240,013,Z).....	227.91	20.56
			26 31 00 00-0143 EA Sensor Box (Fronius 4,240,104).....	784.90	20.56
			26 31 00 00-0144 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	94.32	20.56
			26 31 00 00-0145 EA Irradiance Sensor (Fronius 43,0001,1188).....	286.78	20.56
			26 31 00 00-0146 EA Module Temperature Sensor (Fronius 43,0001,1190).....	153.19	20.56
			26 31 00 00-0147 EA Wind Speed Sensor (Fronius 42,0411,0027).....	171.67	41.11
26 31 00 00-0148 Photovoltaic System Accessories <small>(26 31)</small>					
			26 31 00 00-0149 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	502.50	41.11
			26 31 00 00-0150 EA Line Communication Filter (Enphase LCF).....	999.88	82.23
			26 31 00 00-0151 EA 15 Meter RS 485 Communication Cable (SMA).....	124.42	6.16
			26 31 00 00-0152 EA 15 Meter RS 232 Communication Cable (SMA).....	124.42	6.16
			26 31 00 00-0153 EA 24" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	20.88	2.03
			26 31 00 00-0154 EA 36" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	22.01	2.03
			26 31 00 00-0155 EA 48" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	23.14	2.03
			26 31 00 00-0156 EA 72" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	25.41	2.03
			26 31 00 00-0157 EA 120" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	28.80	2.03
			26 31 00 00-0158 EA 240" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	46.30	4.07
			26 31 00 00-0159 EA 360" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	62.15	4.07
			26 31 00 00-0160 EA 420" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	75.10	6.10
			26 31 00 00-0161 EA 36" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	25.97	2.03

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0162 EA 120" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	35.59	2.03
26 31 00 00-0163 EA 240" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	53.10	4.07
26 31 00 00-0164 EA 360" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	70.08	4.07
26 31 00 00-0165 EA 600" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	114.67	8.14
26 31 00 00-0166 EA 1200" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	175.24	8.14
26 31 00 00-0167 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,037.61	222.01
Note: Tamper proof enclosure.		
26 31 00 00-0168 Photovoltaic Mounting Systems <small>(26 31)</small>		
26 31 00 00-0169 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	7.80	2.05
26 31 00 00-0170 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	24.30	10.27
26 31 00 00-0171 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	29.59	10.27
26 31 00 00-0172 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)	15.04	4.11
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0173 EA Mounting Rail Grounding Clip (UNIRAC 980006)	7.64	3.09
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0174 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	15.29	4.11
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0175 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.15	1.37
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0176 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	4.31	1.37
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0177 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.17	4.11
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	65.20	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	70.91	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	75.98	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0181 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	95.90	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	113.66	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	130.14	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	146.26	41.11
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	189.37	41.11
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0186 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	267.25	61.67
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0187 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351)	127.60	
Note: Excludes ballast.		
26 31 00 00-0188 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)	234.65	
Note: Excludes ballast.		
26 31 00 00-0189 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	52.94	20.56
26 31 00 00-0190 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	53.47	20.56
26 31 00 00-0191 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	54.00	20.56
26 31 00 00-0192 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	55.27	20.56
26 31 00 00-0193 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	49.62	20.56
26 31 00 00-0194 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	50.25	20.56
26 31 00 00-0195 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	51.57	20.56
26 31 00 00-0196 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	52.31	20.56
26 31 00 00-0197 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	90.36	30.83
26 31 00 00-0198 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	90.67	30.83
26 31 00 00-0199 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	91.44	30.83
26 31 00 00-0200 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	96.54	30.83
26 31 00 00-0201 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103)	18.68	4.11
26 31 00 00-0202 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	12.67	4.11
26 31 00 00-0203 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	25.79	6.16
26 31 00 00-0204 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	27.05	6.16
26 31 00 00-0205 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)	6.54	1.37
Note: Mid or end clamp.		
26 31 00 00-0206 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	28.77	4.11
26 31 00 00-0207 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.72	

26 32 Packaged Generator Assemblies (26 30)**26 32 13 Engine Generators (26 32)****26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)**



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001				Diesel Generator Sets <small>(26 32 13 13)</small> Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0640 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002	EA			25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	15,633.81	711.20
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0003	EA			35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	19,733.45	875.67
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0004	EA			40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	20,350.91	960.13
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0005	EA			50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	21,878.39	1,102.37
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0006	EA			60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	23,419.00	1,266.83
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0007	EA			80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	26,138.65	1,484.64
				For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0008	EA			100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	30,506.74	1,724.67
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0009	EA			125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	31,674.26	2,044.72
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0010	EA			150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	34,913.76	2,253.64
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0011	EA			175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	40,424.54	2,515.89
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0012	EA			200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	43,236.64	2,755.93
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0013	EA			230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	48,425.81	2,911.51
				For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0014	EA			250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	50,597.27	3,031.52
				For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0015	EA			275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	55,126.40	3,195.99
				For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0016	EA			300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	56,264.45	3,338.23
				For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0017	EA			350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	63,932.56	3,733.84
				For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
				For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
				For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 32 Packaged Generator Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	69,155.87	4,089.44
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	78,446.73	4,405.04
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	82,819.20	4,693.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	120,463.51	5,169.59
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	137,861.39	5,685.21
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	143,919.85	5,809.68
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	175,304.56	6,263.06
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	195,393.10	6,667.57
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0640 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	12,461.53	595.64
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	14,082.46	711.20
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	15,070.34	791.22
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	16,410.97	875.67
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	16,905.12	960.13
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0007 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	18,965.22	1,266.83
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0008 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	20,178.84	1,417.97
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0009 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	24,160.23 4,802.70 13,898.65 9,464.86 13,550.00	1,515.76
26 32 13 19-0010 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	26,222.85 4,802.70 13,898.65 9,464.86 13,550.00	1,706.90
26 32 13 19-0011 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	32,870.40 4,802.70 13,898.65 9,464.86 13,550.00	2,044.72
26 32 13 19-0012 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	37,436.49 4,802.70 13,898.65 9,464.86 13,550.00	2,253.64
26 32 13 19-0013 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	90,386.59 25,629.73 37,828.38 28,022.97 42,051.35	5,994.50
26 32 13 19-0014 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	96,299.41 25,629.73 37,828.38 28,022.97 42,051.35	2,707.03
26 32 13 19-0015 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	97,519.74 25,629.73 37,828.38 28,022.97 42,051.35	3,031.52
26 32 13 19-0016 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	134,069.64 25,629.73 37,828.38 28,022.97 42,051.35	3,338.23
26 32 13 19-0017 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	135,431.67 25,629.73 37,828.38 28,022.97 42,051.35	3,733.84
26 32 13 19-0018 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	190,371.37 55,963.51 79,281.08 63,564.86 89,839.19	4,405.04
26 32 13 19-0019 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	259,062.17 55,963.51 79,281.08 63,564.86 89,839.19	4,693.96
26 32 13 19-0020 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	272,600.26 55,963.51 79,281.08 63,564.86 89,839.19	4,947.34
26 32 13 19-0021 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	310,556.38 55,963.51 79,281.08 63,564.86 89,839.19	5,169.59
26 32 13 19-0022 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	324,724.03 55,963.51 79,281.08 63,564.86 89,839.19	5,365.17
26 32 13 19-0023 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	343,458.94 55,963.51 79,281.08 63,564.86 89,839.19	5,734.11
26 32 13 19-0024 Small Natural Gas Or Propane Air Cooled Generator Sets <small>(26 32 13 19)</small>		
26 32 13 19-0025 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,059.42	380.21
26 32 13 19-0026 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	3,844.90	422.45
26 32 13 19-0027 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,394.11	447.07

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 32 13 26 AC To DC Electrical Conversion** (26 32 13)

Item Code	Description	Unit Cost	Demolition Cost
26 32 13 26-0001	60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output <small>(26 32 13 26)</small>		
26 32 13 26-0002	EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	4,834.27	164.45
26 32 13 26-0003	EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,870.61	164.45
26 32 13 26-0004	EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,750.36	164.45
26 32 13 26-0005	EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,810.69	164.45
26 32 13 26-0006	EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,681.76	205.56
26 32 13 26-0007	EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,393.82	205.56
26 32 13 26-0008	EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,831.70	205.56
26 32 13 26-0009	EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,984.22	271.34
26 32 13 26-0010	EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,304.33	271.34

26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)

26 32 13 26-0012	EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,584.53	164.45
26 32 13 26-0013	EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,643.61	164.45
26 32 13 26-0014	EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,587.13	164.45
26 32 13 26-0015	EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,795.38	164.45
26 32 13 26-0016	EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,839.31	205.56
26 32 13 26-0017	EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,710.98	205.56
26 32 13 26-0018	EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,028.14	205.56
26 32 13 26-0019	EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,937.16	271.34
26 32 13 26-0020	EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,655.37	271.34

26 32 29 Rotary Converters (26 32)**26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC** (26 32 29)

26 32 29 00-0002	EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	15,289.20	3,111.53
26 32 29 00-0003	EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	17,079.20	3,111.53
26 32 29 00-0004	EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,488.70	4,445.04
26 32 29 00-0005	EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	22,591.05	4,445.04
26 32 29 00-0006	EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	25,518.20	4,445.04
26 32 29 00-0007	EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,150.22	6,667.57
26 32 29 00-0008	EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,765.51	6,667.57

26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)

26 32 29 00-0010	EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	52,435.86	8,890.09
26 32 29 00-0011	EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	57,190.08	8,890.09
26 32 29 00-0012	EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	68,730.25	11,557.12
26 32 29 00-0013	EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	78,226.11	14,046.34
26 32 29 00-0014	EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	92,407.33	14,046.34
26 32 29 00-0015	EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	130,729.80	20,980.61
26 32 29 00-0016	EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	135,753.69	20,980.61
26 32 29 00-0017	EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	155,971.87	24,447.74

26 33 Battery Equipment (26 30)**26 33 13 Batteries** (26 33)**26 33 13 00-0001 Standby Batteries** (26 33 13)

26 33 13 00-0002	EA 12 Volt, 100 Ah To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	592.23	20.59
26 33 13 00-0003	EA 12 Volt, 100 Ah To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	638.93	20.59
26 33 13 00-0004	EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	188.93	20.59
26 33 13 00-0005	EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	172.68	20.59
26 33 13 00-0006	EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	288.55	20.59
26 33 13 00-0007	EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	333.45	20.59

26 33 43 Battery Chargers (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase** (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	1,884.09	469.83
26 33 43 00-0003	EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,180.14	469.83
26 33 43 00-0004	EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,396.68	469.83
26 33 43 00-0005	EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,545.45	556.27

26 33 53 Static Uninterruptible Power Supply (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53)**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53 00-0001)**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.



Electrical	26	26
Facility Electrical Power Generating And Storing Equipment	26 30	
Battery Equipment	26 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	768.97	81.40
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	918.32	94.97
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,131.11	108.53
26 33 53 00-0007 EA 1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)..... Note: Includes 5 minutes of battery backup at full load.	1,380.77	122.11
26 33 53 00-0008 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	1,769.83	135.68
26 33 53 00-0009 EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	2,927.40	189.94
26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	2,875.30	189.94
26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	4,305.40	217.07
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	4,708.93	244.21
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	7,034.95	298.47
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	8,085.11	325.61
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	918.32	94.97
26 33 53 00-0019 EA 1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,131.11	108.53
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)..... Note: Includes 4 minutes of battery backup at full load.	1,396.16	122.11
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	1,773.54	135.68
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	2,938.97	189.94
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	4,131.41	217.07
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	5,070.67	244.21
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)..... Note: Includes 3 minutes of battery backup at full load.	7,836.39	325.61
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems ^(26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)..... Note: Rack mount or tower configuration.	621.62	54.27

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 33 Battery Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	778.13	54.27
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	842.94	81.40
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	718.65	108.53
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	654.50	81.40
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	736.72	108.53
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0033)		
26 33 53 00-0035 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0034)		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA 30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E).....	20,735.02	705.49
For 208/208 Volt AC, Add	795.73	
For MBC 2-Breaker, Add	4,056.74	
For 34 Minute Battery, Add	10,236.86	
26 33 53 00-0037 EA 40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E).....	24,713.26	868.30
For 208/208 Volt AC, Add	888.26	
For MBC 2-Breaker, Add	4,551.96	
For 23 Minute Battery, Add	11,040.57	
For 37 Minute Battery, Add	12,604.58	
26 33 53 00-0038 EA 50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E).....	27,283.95	1,085.37
For 208/208 Volt AC, Add	1,003.24	
For MBC 2-Breaker, Add	4,551.96	
For 18 Minute Battery, Add	10,401.31	
For 28 Minute Battery, Add	12,736.13	
For 35 Minute Battery, Add	13,500.83	
26 33 53 00-0039 EA 65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E).....	31,036.30	1,356.71
For 208/208 Volt AC, Add	1,161.62	
For MBC 2-Breaker, Add	5,573.39	
For 12 Minute Battery, Add	11,450.58	
For 19 Minute Battery, Add	13,069.64	
For 25 Minute Battery, Add	13,826.18	
For 30 Minute Battery, Add	18,402.45	
26 33 53 00-0040 EA 80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E).....	33,088.37	1,628.05
For 208/208 Volt AC, Add	1,161.62	
For MBC 3-Breaker, Add	5,573.39	
For 15 Minute Battery, Add	13,192.98	
For 19 Minute Battery, Add	15,079.85	
For 33 Minute Battery, Add	24,574.25	
26 33 53 00-0041 EA 100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E).....	35,787.56	1,899.39
For 208/208 Volt AC, Add	1,298.62	
For MBC 3-Breaker, Add	6,009.58	
For 11 Minute Battery, Add	13,982.50	
For 17 Minute Battery, Add	20,961.20	
For 25 Minute Battery, Add	25,419.43	
For 35 Minute Battery, Add	28,595.51	
26 33 53 00-0042 EA 130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E).....	39,070.06	2,170.75
For 208/208 Volt AC, Add	1,366.18	
For MBC 3-Breaker, Add	6,532.17	
For 11 Minute Battery, Add	19,415.78	
For 17 Minute Battery, Add	23,321.03	
For 25 Minute Battery, Add	31,079.09	
For 30 Minute Battery, Add	37,515.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	49,490.28	2,442.09
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	1,907.94	
<i>For Isolation Transformer, Add</i>	6,260.63	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
<i>For VRLA 12 Minute Battery, Add</i>	33,131.09	
<i>For VRLA 14 Minute Battery, Add</i>	35,676.26	
<i>For VRLA 22 Minute Battery, Add</i>	44,741.72	
<i>For VRLA 37 Minute Battery, Add</i>	66,594.57	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	63,557.19	2,713.43
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	2,083.36	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Isolation Transformer, Add</i>	7,351.60	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
<i>For VRLA 14 Minute Battery, Add</i>	44,791.06	
<i>For VRLA 17 Minute Battery, Add</i>	53,197.81	
<i>For VRLA 26 Minute Battery, Add</i>	66,652.13	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	99,950.40	3,256.11
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	71,909.24	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	452.91	41.11
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	727.50	41.11
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,401.53	82.23
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,370.29	328.90
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	312.78	41.11
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	173.23	41.11
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	193.59	41.11
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	213.96	41.11
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	250.61	41.11
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	262.83	41.11
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	325.96	41.11
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	341.23	41.11
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,049.89	75.17
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,700.16	150.34
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	18.02	4.51
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	31.28	5.63
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	56.27	5.63
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	82.03	7.52
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	115.02	7.52

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 53 00-0067 EA Uninterrupted Power Supply Remote Status Panel	2,100.04	75.17
26 33 53 00-0068 EA Uninterrupted Power Supply Remote Contact Board.....	712.65	56.38

26 35 Power Filters And Conditioners (26 30)**26 35 33 Power Factor Correction Equipment** (26 35)**26 35 33 00-0001 Power Factor Correction Capacitors** (26 35 33)

26 35 33 00-0002 EA Power Factor Correction Capacitors, 2.0 KVAC	520.06	
26 35 33 00-0003 EA Power Factor Correction Capacitors, 3.0 KVAC	575.98	
26 35 33 00-0004 EA Power Factor Correction Capacitors, 4.0 KVAC	631.90	
26 35 33 00-0005 EA Power Factor Correction Capacitors, 5.0 KVAC	685.58	
26 35 33 00-0006 EA Power Factor Correction Capacitors, 7.5 KVAC	842.16	
26 35 33 00-0007 EA Power Factor Correction Capacitors, 10.0 KVAC	1,028.93	
26 35 33 00-0008 EA Power Factor Correction Capacitors, 15.0 KVAC	1,589.25	
26 35 33 00-0009 EA Power Factor Correction Capacitors, 20.0 KVAC	1,930.37	
26 35 33 00-0010 EA Power Factor Correction Capacitors, 25.0 KVAC	2,494.04	
26 35 33 00-0011 EA Power Factor Correction Capacitors, 30.0 KVAC	2,836.27	
26 35 33 00-0012 EA Power Factor Correction Capacitors, 50.0 KVAC	4,976.90	
26 35 33 00-0013 EA Power Factor Correction Capacitors, 75.0 KVAC	7,483.24	
26 35 33 00-0014 EA Power Factor Correction Capacitors, 100.0 KVAC	9,978.40	
26 35 33 00-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	463.02	

26 35 53 Voltage Regulators (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,242.68	1,307.38
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,923.02	1,644.50
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,549.50	1,956.95

26 36 Transfer Switches (26 30)**26 36 13 Manual Transfer Switches** (26 36)**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002 EA 30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,050.04	143.89
26 36 13 00-0003 EA 60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,218.66	178.75

26 36 23 Automatic Transfer Switches (26 36)**26 36 23 00-0001 Automatic Transfer Switch** (26 36 23)**26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure** (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,741.43	295.71
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,360.41	380.21
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,713.88	506.95
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	8,267.35	633.69

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	2,765.25	211.23
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	3,196.02	253.47
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	3,519.62	295.71
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	4,182.06	337.96
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	4,773.28	380.21
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	5,268.47	422.45
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,513.40	464.70
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,228.50	506.95
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	8,513.80	633.69
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,565.76	760.42
<i>For NEMA 3R Enclosure, Add</i>	979.73	
<i>For NEMA 4 Enclosure, Add</i>	1,081.09	
<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,386.38	1,013.89
<i>For NEMA 3R Enclosure, Add</i>	979.73	
<i>For NEMA 4 Enclosure, Add</i>	1,081.09	
<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,019.30	1,098.38
<i>For NEMA 3R Enclosure, Add</i>	2,162.17	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	1,013.52	
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,103.72	1,267.36
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
<i>For NEMA 4 Enclosure, Add</i>	4,324.33	
<i>For NEMA 12 Enclosure, Add</i>	3,513.52	
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	19,552.69	1,436.35
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
<i>For NEMA 4 Enclosure, Add</i>	4,324.33	
<i>For NEMA 12 Enclosure, Add</i>	3,513.52	
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	23,624.94	1,774.31
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	40,755.54	2,112.27
<i>For NEMA 3R Enclosure, Add</i>	16,513.52	
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	13,949.50	1,605.32
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	14,565.84	1,689.82
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	15,270.08	1,774.31
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	16,995.37	1,816.56
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	19,545.99	1,858.80
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	23,385.12	1,943.30
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	25,746.68	2,027.78
<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	32,297.87	2,365.75
<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	41,973.45	2,534.72
<i>For NEMA 3R Enclosure, Add</i>	5,405.41	
<i>For NEMA 4 Enclosure, Add</i>	6,756.76	
<i>For NEMA 12 Enclosure, Add</i>	5,405.41	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	54,634.26	2,703.71
<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
<i>For NEMA 12 Enclosure, Add</i>	10,702.71	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	62,011.60	2,957.18
<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
<i>For NEMA 12 Enclosure, Add</i>	10,702.71	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	98,895.68	3,379.63
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	106,779.56	3,802.09
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>					
26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	4,470.00	211.23
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	4,841.93	253.47
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,213.23	295.71
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0042	EA		150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,255.39	337.96
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0043	EA		225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,126.41	380.21
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0044	EA		250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	8,657.53	422.45
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0045	EA		300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,011.49	464.70
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	10,191.80	506.95
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	12,372.41	633.69
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	12,920.75	760.42
			<i>For Four Pole Circuit Breaker, Add</i>	3,277.03	
			<i>For NEMA 3R Enclosure, Add</i>	1,513.52	
			<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	15,285.45	1,013.89
			<i>For Four Pole Circuit Breaker, Add</i>	3,277.03	
			<i>For NEMA 3R Enclosure, Add</i>	1,513.52	
			<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>					
26 36 23 00-0051	EA		Auxiliary Contacts For Automatic Transfer Switch.....	156.76	
26 36 23 00-0052	EA		Battery Charger For Automatic Transfer Switch.....	1,283.79	
26 36 23 00-0053	EA		Elevator Relay Signal For Automatic Transfer Switch.....	466.22	
26 36 33 Non-Automatic Transfer Switches <small>(26 36)</small>					
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 33)</small>					
26 36 33 00-0002	EA		40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,881.90	211.23
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0003	EA		70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,092.77	253.47
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0004	EA		125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,378.58	295.71
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0005	EA		150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,241.72	337.96
			<i>For NEMA 3R Enclosure, Add</i>	675.68	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,626.04 675.68 540.54	380.21
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,074.77 675.68 540.54	422.45
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,530.32 797.30 675.68	464.70
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,303.65 797.30 675.68	506.95
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,999.84 797.30 675.68	633.69
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,893.84 979.73 945.95	760.42
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,431.99 979.73 945.95	1,013.89

26 40 Electrical And Cathodic Protection ⁽²⁶⁾

26 43 Surge Protective Devices ^(26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits ^(26 43)

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	188.65	20.56
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	203.61	20.56
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	211.83	24.67
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	176.15	16.45
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	211.83	24.67
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	262.41	20.56
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	279.19	24.67
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	270.97	20.56
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	279.19	24.67
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	318.01	20.56
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	334.78	24.67
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	296.96	16.45
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	334.78	24.67
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	375.74	20.56
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	423.51	24.67
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	355.76	16.45
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	664.06	24.67
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	655.84	20.56
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	664.06	24.67
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression ^(26 43 13)		
Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	3,854.36	41.11
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,709.64	41.11
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression ^(26 43 13)		
Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028)		
Note: Square D. EMA series.		

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,104.26 265.68 203.04	106.89
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,423.25 265.68 203.04	123.34
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,005.46 265.68 203.04	143.89
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,662.00 265.68 203.04	164.45
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,859.91 265.68 203.04	226.12
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,239.69 265.68 203.04	106.89
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,572.02 265.68 203.04	123.34
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,235.29 265.68 203.04	143.89
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,960.50 265.68 203.04	164.45
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,320.52 265.68 203.04	226.12
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,239.69 265.68 203.04	106.89
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,572.02 265.68 203.04	123.34
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,235.25 265.68 203.04	143.89
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,960.50 265.68 203.04	164.45
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,320.52 265.68 203.04	226.12
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,375.12 265.68 203.04	106.89
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,722.70 265.68 203.04	123.34
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,467.02 265.68 203.04	143.89
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,260.94 265.68 203.04	164.45
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,783.00 265.68 203.04	226.12
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,532.47 265.68 203.04	106.89
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,879.13 265.68 203.04	123.34
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,709.25 265.68 203.04	143.89
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,575.64 265.68 203.04	164.45
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,612.75 265.68 203.04	226.12
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶ _{43 13 00-0028)} Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,417.66 265.68 203.04	106.89
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,921.67 265.68 203.04	123.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0058	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,286.43	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0059	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,494.91	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0060	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,036.11	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0061	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,436.14	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0062	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,494.91	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0063	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,036.11	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0064	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,436.14	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0065	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,593.13	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0066	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,159.13	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0067	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,627.82	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0068	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,696.13	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,289.77	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0070	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,829.04	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0071			NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
			Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,005.45	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,324.44	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,906.65	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,140.87	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,473.21	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,136.48	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,140.87	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,473.21	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,136.44	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,276.30	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,623.88	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,368.21	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,433.65	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,780.31	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,610.43 265.68 203.04	143.89
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,318.85 265.68 203.04	106.89
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,822.86 265.68 203.04	123.34
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,187.61 265.68 203.04	143.89
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,396.09 265.68 203.04	106.89
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,937.30 265.68 203.04	123.34
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,337.33 265.68 203.04	143.89
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,396.09 265.68 203.04	106.89
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,937.30 265.68 203.04	123.34
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,337.33 265.68 203.04	143.89
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,494.32 265.68 203.04	106.89
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,060.32 265.68 203.04	123.34
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,529.01 265.68 203.04	143.89
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,597.32 265.68 203.04	106.89
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,190.96 265.68 203.04	123.34
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,730.22 265.68 203.04	143.89

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 52 Emergency Lighting (26 50)**26 52 00 00-0001 Commercial Emergency Lights** (26 52)**26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights** (26 52 00 00-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	130.77	20.56
26 52 00 00-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	93.09	20.56
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	142.40	20.56
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	164.73	20.56
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	241.46	20.56
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	



Electrical	26	26
Lighting	26 50	
Emergency Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	272.60	20.56
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	393.94	20.56
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0010 Remote Heads For Commercial Emergency Lights (26 52 00 00-0001) Note: For use with fixtures that have remote capability.		
26 52 00 00-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	87.84	12.34
26 52 00 00-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	88.40	12.34
26 52 00 00-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	90.29	12.34
26 52 00 00-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	89.98	12.34
26 52 00 00-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	78.42	12.34
26 52 00 00-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	55.45	12.34
26 52 00 00-0017 Industrial Emergency Lights (26 52)		
26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0017)		
26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	224.51	20.56
For Wireguard, Add	110.35	
26 52 00 00-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	189.66	20.56
For Wireguard, Add	110.35	
26 52 00 00-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	291.50	20.56
For Wireguard, Add	110.35	
26 52 00 00-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	309.08	20.56
For Wireguard, Add	110.35	
26 52 00 00-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	437.97	20.56
For Wireguard, Add	117.53	
26 52 00 00-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	684.54	20.56
For Wireguard, Add	117.53	
26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018) Note: For use with fixtures that have remote capability.		
26 52 00 00-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	68.69	12.34
For Wireguard, Add	89.05	
26 52 00 00-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	70.88	12.34
For Wireguard, Add	89.05	
26 52 00 00-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	68.99	12.34
For Wireguard, Add	89.05	
26 52 00 00-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	69.35	12.34
For Wireguard, Add	89.05	
26 52 00 00-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	70.88	12.34
For Wireguard, Add	89.05	
26 52 00 00-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	81.98	12.34
For Wireguard, Add	89.05	
26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 00 00-0017)		
26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 00 00-0033) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	221.71	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	240.30	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	105.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	235.21	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	248.20	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	412.75	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	325.89	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	61.50	
26 52 00 00-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	364.10	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	61.50	
26 52 00 00-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	383.46	20.56
For Wireguard, Add	107.29	
For Self-Diagnostics, Add	61.50	
26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 00 00-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	60.28	12.34
26 52 00 00-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	64.71	12.34
26 52 00 00-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	60.33	12.34
26 52 00 00-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	63.59	12.34
26 52 00 00-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	55.22	12.34
26 52 00 00-0049 Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small>		
Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	344.48	20.56
26 52 00 00-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	409.44	20.56
26 52 00 00-0053 Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	374.09	20.56
For Wire Guard, Add	60.00	
26 52 00 00-0055 EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	306.50	41.11
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	117.53	
26 52 00 00-0056 EA 50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	432.39	41.11
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	117.53	
26 52 00 00-0057 Square Wraparound Emergency Lights <small>(26 52)</small>		
26 52 00 00-0058 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	175.54	20.56
26 53 Exit Signs <small>(26 50)</small>		
Note: Excludes pendants.		
26 53 00 00-0001 LED Exit Signs <small>(26 53)</small>		
Note: Includes red LED lamps.		
26 53 00 00-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	111.35	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	111.35	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	167.30	30.06
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	



Electrical	26	26
Lighting	26 50	
Exit Signs	26 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	167.30 15.00 50.00	30.06
26 53 00 00-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)..... <i>For Green LED Lamps, Add</i>	189.27 15.00	30.06
26 53 00 00-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC) <i>For Green LED Lamps, Add</i>	208.66 15.00	30.06
26 53 00 00-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	202.20 15.00 50.00	30.06
26 53 00 00-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN) <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	221.57 15.00 50.00	30.06
26 53 00 00-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM) Note: Includes two circular side mounted krypton emergency lights. <i>For Green LED Lamps, Add</i>	199.41 15.00	30.06
26 53 00 00-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED) Note: Includes two circular side mounted LED emergency lights. <i>For Green LED Lamps, Add</i>	284.95 15.00	30.06
26 53 00 00-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights. <i>For Green LED Lamps, Add</i>	243.98 15.00	30.06
26 53 00 00-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)..... Note: Includes two circular side mounted PAR 36 emergency lights. <i>For Green LED Lamps, Add</i>	254.51 15.00	30.06
26 53 00 00-0014 Edge-Lit LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign <i>For Green LED Lamps, Add</i>	223.05 40.00	30.06
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign <i>For Green LED Lamps, Add</i>	238.37 40.00	30.06
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	270.37 40.00 50.00	30.06
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	281.66 40.00 50.00	30.06
26 53 00 00-0019 Self-Luminous Tritium Exit Signs (26 53) Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	298.53	30.06
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	536.70	30.06
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	352.79	30.06
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	580.25	30.06
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	325.53	30.06
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	580.25	30.06
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	396.09	30.06
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	716.78	30.06
26 53 00 00-0028 Vandal-Resistant LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	282.48	30.06
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	429.97	30.06
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	520.39	30.06
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture (26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	61.67	
26 53 00 00-0034 Exit Sign Accessories (26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	67.40	8.23
26 53 00 00-0036 EA Wire Guard For Exit Signs.....	73.06	8.23
26 53 00 00-0037 EA Replacement Battery For Exit Signs.....	68.42	10.29

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles And Standards (26 56)

26 56 13 00-0001 Poles And Standards (26 56 13)

See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.

26 56 13 00-0002 Roadway Light Poles (26 56 13 00-0001)

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0003	Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,816.60	280.96
	For Galvanized Finish, Add	67.64	
	For >10 To 20, Deduct	-70.42	
	For >20 To 40, Deduct	-140.83	
	For >40, Deduct	-225.29	
26 56 13 00-0008	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,822.16	280.96
	For Galvanized Finish, Add	67.81	
	For >10 To 20, Deduct	-70.55	
	For >20 To 40, Deduct	-141.11	
	For >40, Deduct	-225.71	
26 56 13 00-0009	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,042.50	374.62
	For Galvanized Finish, Add	68.80	
	For >10 To 20, Deduct	-76.06	
	For >20 To 40, Deduct	-152.13	
	For >40, Deduct	-246.92	
26 56 13 00-0010	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,109.51	374.62
	For Galvanized Finish, Add	70.81	
	For >10 To 20, Deduct	-77.74	
	For >20 To 40, Deduct	-155.48	
	For >40, Deduct	-251.94	
26 56 13 00-0011	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,176.51	374.62
	For Galvanized Finish, Add	72.82	
	For >10 To 20, Deduct	-79.41	
	For >20 To 40, Deduct	-158.83	
	For >40, Deduct	-256.97	
26 56 13 00-0012	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,284.28	421.45
	For Galvanized Finish, Add	73.24	
	For >10 To 20, Deduct	-82.11	
	For >20 To 40, Deduct	-164.21	
	For >40, Deduct	-267.39	
26 56 13 00-0013	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,316.05	421.45
	For Galvanized Finish, Add	74.19	
	For >10 To 20, Deduct	-82.90	
	For >20 To 40, Deduct	-165.80	
	For >40, Deduct	-269.78	
26 56 13 00-0014	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,322.10	421.45
	For Galvanized Finish, Add	74.38	
	For >10 To 20, Deduct	-83.05	
	For >20 To 40, Deduct	-166.11	
	For >40, Deduct	-270.23	
26 56 13 00-0015	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,481.72	444.86
	For Galvanized Finish, Add	77.76	
	For >10 To 20, Deduct	-87.04	
	For >20 To 40, Deduct	-174.09	
	For >40, Deduct	-283.37	
26 56 13 00-0016	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,505.72	444.86
	For Galvanized Finish, Add	78.48	
	For >10 To 20, Deduct	-87.64	
	For >20 To 40, Deduct	-175.29	
	For >40, Deduct	-285.17	
26 56 13 00-0017	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,531.93	444.86
	For Galvanized Finish, Add	79.27	
	For >10 To 20, Deduct	-88.30	
	For >20 To 40, Deduct	-176.60	
	For >40, Deduct	-287.14	
26 56 13 00-0018	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,048.20	468.27
	For Galvanized Finish, Add	93.35	
	For >10 To 20, Deduct	-101.21	
	For >20 To 40, Deduct	-202.41	
	For >40, Deduct	-327.03	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0019 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,056.74	468.27
For Galvanized Finish, Add	93.61	
For >10 To 20, Deduct	-101.42	
For >20 To 40, Deduct	-202.84	
For >40, Deduct	-327.67	
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,065.19	468.27
For Galvanized Finish, Add	93.86	
For >10 To 20, Deduct	-101.63	
For >20 To 40, Deduct	-203.26	
For >40, Deduct	-328.30	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,518.41	327.80
For Galvanized Finish, Add	85.88	
For >10 To 20, Deduct	-87.96	
For >20 To 40, Deduct	-175.92	
For >40, Deduct	-280.27	
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,577.62	339.50
For Galvanized Finish, Add	86.96	
For >10 To 20, Deduct	-89.44	
For >20 To 40, Deduct	-178.88	
For >40, Deduct	-285.30	
26 56 13 00-0024 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,628.01	351.21
For Galvanized Finish, Add	87.77	
For >10 To 20, Deduct	-90.70	
For >20 To 40, Deduct	-181.40	
For >40, Deduct	-289.66	
26 56 13 00-0025 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,473.59	421.45
For Galvanized Finish, Add	78.92	
For >10 To 20, Deduct	-86.84	
For >20 To 40, Deduct	-173.68	
For >40, Deduct	-281.59	
26 56 13 00-0026 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,511.21	433.16
For Galvanized Finish, Add	79.35	
For >10 To 20, Deduct	-87.78	
For >20 To 40, Deduct	-175.56	
For >40, Deduct	-285.00	
26 56 13 00-0027 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,540.38	444.86
For Galvanized Finish, Add	79.52	
For >10 To 20, Deduct	-88.51	
For >20 To 40, Deduct	-177.02	
For >40, Deduct	-287.77	
26 56 13 00-0028 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,742.73	468.27
For Galvanized Finish, Add	84.19	
For >10 To 20, Deduct	-93.57	
For >20 To 40, Deduct	-187.14	
For >40, Deduct	-304.12	
26 56 13 00-0029 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,774.79	479.99
For Galvanized Finish, Add	84.44	
For >10 To 20, Deduct	-94.37	
For >20 To 40, Deduct	-188.74	
For >40, Deduct	-307.11	
26 56 13 00-0030 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,803.67	491.69
For Galvanized Finish, Add	84.61	
For >10 To 20, Deduct	-95.09	
For >20 To 40, Deduct	-190.18	
For >40, Deduct	-309.86	
26 56 13 00-0031 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,973.40	491.69
For Galvanized Finish, Add	89.70	
For >10 To 20, Deduct	-99.34	
For >20 To 40, Deduct	-198.67	
For >40, Deduct	-322.59	
26 56 13 00-0032 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,033.97	503.40
For Galvanized Finish, Add	90.82	
For >10 To 20, Deduct	-100.85	
For >20 To 40, Deduct	-201.70	
For >40, Deduct	-327.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,092.61	515.10
			<i>For Galvanized Finish, Add</i>	91.87	
			<i>For >10 To 20, Deduct</i>	-102.32	
			<i>For >20 To 40, Deduct</i>	-204.63	
			<i>For >40, Deduct</i>	-332.70	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,506.85	515.10
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For >10 To 20, Deduct</i>	-112.67	
			<i>For >20 To 40, Deduct</i>	-225.34	
			<i>For >40, Deduct</i>	-363.77	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,535.83	526.81
			<i>For Galvanized Finish, Add</i>	104.47	
			<i>For >10 To 20, Deduct</i>	-113.40	
			<i>For >20 To 40, Deduct</i>	-226.79	
			<i>For >40, Deduct</i>	-366.53	
26 56	13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,565.01	538.52
			<i>For Galvanized Finish, Add</i>	104.64	
			<i>For >10 To 20, Deduct</i>	-114.13	
			<i>For >20 To 40, Deduct</i>	-228.25	
			<i>For >40, Deduct</i>	-369.30	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
			<small>(26 56 13 00-0005)</small>		
26 56	13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,093.51	468.27
			<i>For Galvanized Finish, Add</i>	94.71	
			<i>For >10 To 20, Deduct</i>	-102.34	
			<i>For >20 To 40, Deduct</i>	-204.68	
			<i>For >40, Deduct</i>	-330.43	
26 56	13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,146.00	491.69
			<i>For Galvanized Finish, Add</i>	94.88	
			<i>For >10 To 20, Deduct</i>	-103.65	
			<i>For >20 To 40, Deduct</i>	-207.30	
			<i>For >40, Deduct</i>	-335.53	
26 56	13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,206.95	515.10
			<i>For Galvanized Finish, Add</i>	95.30	
			<i>For >10 To 20, Deduct</i>	-105.17	
			<i>For >20 To 40, Deduct</i>	-210.35	
			<i>For >40, Deduct</i>	-341.28	
26 56	13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,328.67	515.10
			<i>For Galvanized Finish, Add</i>	98.95	
			<i>For >10 To 20, Deduct</i>	-108.22	
			<i>For >20 To 40, Deduct</i>	-216.43	
			<i>For >40, Deduct</i>	-350.41	
26 56	13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,383.86	538.52
			<i>For Galvanized Finish, Add</i>	99.20	
			<i>For >10 To 20, Deduct</i>	-109.60	
			<i>For >20 To 40, Deduct</i>	-219.19	
			<i>For >40, Deduct</i>	-355.72	
26 56	13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,436.34	561.94
			<i>For Galvanized Finish, Add</i>	99.37	
			<i>For >10 To 20, Deduct</i>	-110.91	
			<i>For >20 To 40, Deduct</i>	-221.82	
			<i>For >40, Deduct</i>	-360.82	
26 56	13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,607.25	538.52
			<i>For Galvanized Finish, Add</i>	105.91	
			<i>For >10 To 20, Deduct</i>	-115.18	
			<i>For >20 To 40, Deduct</i>	-230.36	
			<i>For >40, Deduct</i>	-372.47	
26 56	13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,659.73	561.94
			<i>For Galvanized Finish, Add</i>	106.08	
			<i>For >10 To 20, Deduct</i>	-116.49	
			<i>For >20 To 40, Deduct</i>	-232.99	
			<i>For >40, Deduct</i>	-377.58	
26 56	13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,712.24	585.35
			<i>For Galvanized Finish, Add</i>	106.25	
			<i>For >10 To 20, Deduct</i>	-117.81	
			<i>For >20 To 40, Deduct</i>	-235.61	
			<i>For >40, Deduct</i>	-382.69	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,965.49	561.94
For Galvanized Finish, Add	115.25	
For >10 To 20, Deduct	-124.14	
For >20 To 40, Deduct	-248.27	
For >40, Deduct	-400.51	
26 56 13 00-0048 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,017.71	585.35
For Galvanized Finish, Add	115.41	
For >10 To 20, Deduct	-125.44	
For >20 To 40, Deduct	-250.89	
For >40, Deduct	-405.60	
26 56 13 00-0049 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,075.86	608.76
For Galvanized Finish, Add	115.75	
For >10 To 20, Deduct	-126.90	
For >20 To 40, Deduct	-253.79	
For >40, Deduct	-411.13	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,554.95	515.10
For Galvanized Finish, Add	105.74	
For >10 To 20, Deduct	-113.87	
For >20 To 40, Deduct	-227.75	
For >40, Deduct	-367.38	
26 56 13 00-0052 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,633.63	550.22
For Galvanized Finish, Add	106.00	
For >10 To 20, Deduct	-115.84	
For >20 To 40, Deduct	-231.68	
For >40, Deduct	-375.03	
26 56 13 00-0053 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,709.45	585.35
For Galvanized Finish, Add	106.16	
For >10 To 20, Deduct	-117.74	
For >20 To 40, Deduct	-235.47	
For >40, Deduct	-382.48	
26 56 13 00-0054 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,824.76	561.94
For Galvanized Finish, Add	111.03	
For >10 To 20, Deduct	-120.62	
For >20 To 40, Deduct	-241.24	
For >40, Deduct	-389.95	
26 56 13 00-0055 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,900.96	597.05
For Galvanized Finish, Add	111.21	
For >10 To 20, Deduct	-122.52	
For >20 To 40, Deduct	-245.05	
For >40, Deduct	-397.42	
26 56 13 00-0056 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,944.51	632.17
For Galvanized Finish, Add	110.40	
For >10 To 20, Deduct	-123.61	
For >20 To 40, Deduct	-247.23	
For >40, Deduct	-402.45	
26 56 13 00-0057 EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,193.10	585.35
For Galvanized Finish, Add	120.67	
For >10 To 20, Deduct	-129.83	
For >20 To 40, Deduct	-259.66	
For >40, Deduct	-418.75	
26 56 13 00-0058 EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,307.49	620.46
For Galvanized Finish, Add	122.00	
For >10 To 20, Deduct	-132.69	
For >20 To 40, Deduct	-265.37	
For >40, Deduct	-429.09	
26 56 13 00-0059 EA 35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,347.87	655.59
For Galvanized Finish, Add	121.10	
For >10 To 20, Deduct	-133.70	
For >20 To 40, Deduct	-267.39	
For >40, Deduct	-433.87	
26 56 13 00-0060 EA 40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,423.86	608.76
For Galvanized Finish, Add	126.19	
For >10 To 20, Deduct	-135.60	
For >20 To 40, Deduct	-271.19	
For >40, Deduct	-437.23	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,499.66	643.88
		For Galvanized Finish, Add	126.36	
		For >10 To 20, Deduct	-137.49	
		For >20 To 40, Deduct	-274.98	
		For >40, Deduct	-444.67	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,578.35	679.00
		For Galvanized Finish, Add	126.61	
		For >10 To 20, Deduct	-139.46	
		For >20 To 40, Deduct	-278.92	
		For >40, Deduct	-452.33	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,249.86	374.62
		For Galvanized Finish, Add	75.02	
		For >10 To 20, Deduct	-81.25	
		For >20 To 40, Deduct	-162.49	
		For >40, Deduct	-262.47	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,678.64	421.45
		For Galvanized Finish, Add	85.07	
		For >10 To 20, Deduct	-91.97	
		For >20 To 40, Deduct	-183.93	
		For >40, Deduct	-296.97	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,772.12	444.86
		For Galvanized Finish, Add	86.47	
		For >10 To 20, Deduct	-94.30	
		For >20 To 40, Deduct	-188.61	
		For >40, Deduct	-305.15	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,534.73	468.27
		For Galvanized Finish, Add	107.95	
		For >10 To 20, Deduct	-113.37	
		For >20 To 40, Deduct	-226.74	
		For >40, Deduct	-363.52	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,250.85	374.62
		For Galvanized Finish, Add	105.05	
		For >10 To 20, Deduct	-106.27	
		For >20 To 40, Deduct	-212.54	
		For >40, Deduct	-337.55	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,293.76	374.62
		For Galvanized Finish, Add	106.34	
		For >10 To 20, Deduct	-107.34	
		For >20 To 40, Deduct	-214.69	
		For >40, Deduct	-340.76	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,313.35	374.62
		For Galvanized Finish, Add	106.92	
		For >10 To 20, Deduct	-107.83	
		For >20 To 40, Deduct	-215.67	
		For >40, Deduct	-342.23	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,387.41	421.45
		For Galvanized Finish, Add	106.34	
		For >10 To 20, Deduct	-109.69	
		For >20 To 40, Deduct	-219.37	
		For >40, Deduct	-350.13	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,394.90	421.45
		For Galvanized Finish, Add	106.56	
		For >10 To 20, Deduct	-109.87	
		For >20 To 40, Deduct	-219.75	
		For >40, Deduct	-350.69	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,472.28	421.45
		For Galvanized Finish, Add	108.88	
		For >10 To 20, Deduct	-111.81	
		For >20 To 40, Deduct	-223.61	
		For >40, Deduct	-356.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,459.67	444.86
			<i>For Galvanized Finish, Add</i>	107.10	
			<i>For >10 To 20, Deduct</i>	-111.49	
			<i>For >20 To 40, Deduct</i>	-222.98	
			<i>For >40, Deduct</i>	-356.72	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,504.98	444.86
			<i>For Galvanized Finish, Add</i>	108.46	
			<i>For >10 To 20, Deduct</i>	-112.62	
			<i>For >20 To 40, Deduct</i>	-225.25	
			<i>For >40, Deduct</i>	-360.12	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,742.58	444.86
			<i>For Galvanized Finish, Add</i>	115.59	
			<i>For >10 To 20, Deduct</i>	-118.56	
			<i>For >20 To 40, Deduct</i>	-237.13	
			<i>For >40, Deduct</i>	-377.94	
26 56 13 00-0080			Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0080)</small>		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,579.78	468.27
			<i>For Galvanized Finish, Add</i>	139.30	
			<i>For >10 To 20, Deduct</i>	-139.49	
			<i>For >20 To 40, Deduct</i>	-278.99	
			<i>For >40, Deduct</i>	-441.90	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,667.70	491.69
			<i>For Galvanized Finish, Add</i>	140.53	
			<i>For >10 To 20, Deduct</i>	-141.69	
			<i>For >20 To 40, Deduct</i>	-283.39	
			<i>For >40, Deduct</i>	-449.66	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,875.81	515.10
			<i>For Galvanized Finish, Add</i>	145.37	
			<i>For >10 To 20, Deduct</i>	-146.90	
			<i>For >20 To 40, Deduct</i>	-293.79	
			<i>For >40, Deduct</i>	-466.44	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,649.63	515.10
			<i>For Galvanized Finish, Add</i>	138.58	
			<i>For >10 To 20, Deduct</i>	-141.24	
			<i>For >20 To 40, Deduct</i>	-282.48	
			<i>For >40, Deduct</i>	-449.48	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,908.72	538.52
			<i>For Galvanized Finish, Add</i>	144.95	
			<i>For >10 To 20, Deduct</i>	-147.72	
			<i>For >20 To 40, Deduct</i>	-295.44	
			<i>For >40, Deduct</i>	-470.08	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,059.99	561.94
			<i>For Galvanized Finish, Add</i>	148.08	
			<i>For >10 To 20, Deduct</i>	-151.50	
			<i>For >20 To 40, Deduct</i>	-303.00	
			<i>For >40, Deduct</i>	-482.60	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,815.02	538.52
			<i>For Galvanized Finish, Add</i>	142.14	
			<i>For >10 To 20, Deduct</i>	-145.38	
			<i>For >20 To 40, Deduct</i>	-290.75	
			<i>For >40, Deduct</i>	-463.05	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,164.63	561.94
			<i>For Galvanized Finish, Add</i>	151.22	
			<i>For >10 To 20, Deduct</i>	-154.12	
			<i>For >20 To 40, Deduct</i>	-308.23	
			<i>For >40, Deduct</i>	-490.44	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,366.99	585.35
			<i>For Galvanized Finish, Add</i>	155.89	
			<i>For >10 To 20, Deduct</i>	-159.17	
			<i>For >20 To 40, Deduct</i>	-318.35	
			<i>For >40, Deduct</i>	-506.79	
26 56 13 00-0090			Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0091)</small>		
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0092)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,496.92	280.96
			<i>For >10 To 20, Deduct</i>	-62.42	
			<i>For >20 To 40, Deduct</i>	-124.85	
			<i>For >40, Deduct</i>	-201.32	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,520.34	280.96
			<i>For >10 To 20, Deduct</i>	-63.01	
			<i>For >20 To 40, Deduct</i>	-126.02	
			<i>For >40, Deduct</i>	-203.07	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,037.79	374.62
			<i>For >10 To 20, Deduct</i>	-75.94	
			<i>For >20 To 40, Deduct</i>	-151.89	
			<i>For >40, Deduct</i>	-246.57	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,082.05	374.62
			<i>For >10 To 20, Deduct</i>	-77.05	
			<i>For >20 To 40, Deduct</i>	-154.10	
			<i>For >40, Deduct</i>	-249.89	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,122.75	374.62
			<i>For >10 To 20, Deduct</i>	-78.07	
			<i>For >20 To 40, Deduct</i>	-156.14	
			<i>For >40, Deduct</i>	-252.94	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,493.56	421.45
			<i>For >10 To 20, Deduct</i>	-87.34	
			<i>For >20 To 40, Deduct</i>	-174.68	
			<i>For >40, Deduct</i>	-283.09	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,530.90	421.45
			<i>For >10 To 20, Deduct</i>	-88.27	
			<i>For >20 To 40, Deduct</i>	-176.55	
			<i>For >40, Deduct</i>	-285.89	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,572.66	421.45
			<i>For >10 To 20, Deduct</i>	-89.32	
			<i>For >20 To 40, Deduct</i>	-178.63	
			<i>For >40, Deduct</i>	-289.02	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,131.16	444.86
			<i>For >10 To 20, Deduct</i>	-103.28	
			<i>For >20 To 40, Deduct</i>	-206.56	
			<i>For >40, Deduct</i>	-332.08	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,168.41	444.86
			<i>For >10 To 20, Deduct</i>	-104.21	
			<i>For >20 To 40, Deduct</i>	-208.42	
			<i>For >40, Deduct</i>	-334.87	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,199.61	444.86
			<i>For >10 To 20, Deduct</i>	-104.99	
			<i>For >20 To 40, Deduct</i>	-209.98	
			<i>For >40, Deduct</i>	-337.21	

26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,856.49	327.80
			<i>For >10 To 20, Deduct</i>	-71.41	
			<i>For >20 To 40, Deduct</i>	-142.82	
			<i>For >40, Deduct</i>	-230.63	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,086.02	327.80
			<i>For >10 To 20, Deduct</i>	-77.15	
			<i>For >20 To 40, Deduct</i>	-154.30	
			<i>For >40, Deduct</i>	-247.84	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,177.58	351.21
			<i>For >10 To 20, Deduct</i>	-79.44	
			<i>For >20 To 40, Deduct</i>	-158.88	
			<i>For >40, Deduct</i>	-255.88	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,384.79	421.45
			<i>For >10 To 20, Deduct</i>	-84.62	
			<i>For >20 To 40, Deduct</i>	-169.24	
			<i>For >40, Deduct</i>	-274.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0110 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,554.31	433.16
<i>For >10 To 20, Deduct</i>	-88.86	
<i>For >20 To 40, Deduct</i>	-177.72	
<i>For >40, Deduct</i>	-288.23	
26 56 13 00-0111 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,802.84	444.86
<i>For >10 To 20, Deduct</i>	-95.07	
<i>For >20 To 40, Deduct</i>	-190.14	
<i>For >40, Deduct</i>	-307.46	
26 56 13 00-0112 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,921.00	468.27
<i>For >10 To 20, Deduct</i>	-98.03	
<i>For >20 To 40, Deduct</i>	-196.05	
<i>For >40, Deduct</i>	-317.49	
26 56 13 00-0113 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,079.97	479.99
<i>For >10 To 20, Deduct</i>	-102.00	
<i>For >20 To 40, Deduct</i>	-204.00	
<i>For >40, Deduct</i>	-330.00	
26 56 13 00-0114 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,275.99	491.69
<i>For >10 To 20, Deduct</i>	-106.90	
<i>For >20 To 40, Deduct</i>	-213.80	
<i>For >40, Deduct</i>	-345.28	
26 56 13 00-0115 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,479.03	491.69
<i>For >10 To 20, Deduct</i>	-111.98	
<i>For >20 To 40, Deduct</i>	-223.95	
<i>For >40, Deduct</i>	-360.51	
26 56 13 00-0116 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,925.04	503.40
<i>For >10 To 20, Deduct</i>	-123.13	
<i>For >20 To 40, Deduct</i>	-246.25	
<i>For >40, Deduct</i>	-394.55	
26 56 13 00-0117 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,445.25	515.10
<i>For >10 To 20, Deduct</i>	-136.13	
<i>For >20 To 40, Deduct</i>	-272.26	
<i>For >40, Deduct</i>	-434.15	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0119 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,319.65	374.62
<i>For >10 To 20, Deduct</i>	-82.99	
<i>For >20 To 40, Deduct</i>	-165.98	
<i>For >40, Deduct</i>	-267.71	
26 56 13 00-0120 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,552.13	398.04
<i>For >10 To 20, Deduct</i>	-88.80	
<i>For >20 To 40, Deduct</i>	-177.61	
<i>For >40, Deduct</i>	-286.31	
26 56 13 00-0121 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,026.69	468.27
<i>For >10 To 20, Deduct</i>	-100.67	
<i>For >20 To 40, Deduct</i>	-201.33	
<i>For >40, Deduct</i>	-325.42	
26 56 13 00-0122 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,196.31	491.69
<i>For >10 To 20, Deduct</i>	-104.91	
<i>For >20 To 40, Deduct</i>	-209.82	
<i>For >40, Deduct</i>	-339.31	
26 56 13 00-0123 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,394.53	515.10
<i>For >10 To 20, Deduct</i>	-109.86	
<i>For >20 To 40, Deduct</i>	-219.73	
<i>For >40, Deduct</i>	-355.35	
26 56 13 00-0124 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,547.06	538.52
<i>For >10 To 20, Deduct</i>	-113.68	
<i>For >20 To 40, Deduct</i>	-227.35	
<i>For >40, Deduct</i>	-367.96	
26 56 13 00-0125 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,766.90	538.52
<i>For >10 To 20, Deduct</i>	-119.17	
<i>For >20 To 40, Deduct</i>	-238.35	
<i>For >40, Deduct</i>	-384.44	
26 56 13 00-0126 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,203.86	561.94
<i>For >10 To 20, Deduct</i>	-130.10	
<i>For >20 To 40, Deduct</i>	-260.19	
<i>For >40, Deduct</i>	-418.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0127 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,854.35	585.35
For >10 To 20, Deduct	-146.36	
For >20 To 40, Deduct	-292.72	
For >40, Deduct	-468.34	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,412.72	421.45
For >10 To 20, Deduct	-85.32	
For >20 To 40, Deduct	-170.64	
For >40, Deduct	-277.03	
26 56 13 00-0130 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,553.27	421.45
For >10 To 20, Deduct	-88.83	
For >20 To 40, Deduct	-177.66	
For >40, Deduct	-287.57	
26 56 13 00-0131 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,403.27	515.10
For >10 To 20, Deduct	-110.08	
For >20 To 40, Deduct	-220.16	
For >40, Deduct	-356.00	
26 56 13 00-0132 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,773.12	550.22
For >10 To 20, Deduct	-119.33	
For >20 To 40, Deduct	-238.66	
For >40, Deduct	-385.50	
26 56 13 00-0133 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,987.96	561.94
For >10 To 20, Deduct	-124.70	
For >20 To 40, Deduct	-249.40	
For >40, Deduct	-402.19	
26 56 13 00-0134 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,326.72	597.05
For >10 To 20, Deduct	-133.17	
For >20 To 40, Deduct	-266.34	
For >40, Deduct	-429.36	
26 56 13 00-0135 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,257.61	585.35
For >10 To 20, Deduct	-131.44	
For >20 To 40, Deduct	-262.88	
For >40, Deduct	-423.59	
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,015.87	620.46
For >10 To 20, Deduct	-150.40	
For >20 To 40, Deduct	-300.79	
For >40, Deduct	-482.21	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,683.04	655.59
For >10 To 20, Deduct	-167.08	
For >20 To 40, Deduct	-334.15	
For >40, Deduct	-534.01	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,688.10	374.62
For >10 To 20, Deduct	-92.20	
For >20 To 40, Deduct	-184.41	
For >40, Deduct	-295.34	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,719.39	374.62
For >10 To 20, Deduct	-92.98	
For >20 To 40, Deduct	-185.97	
For >40, Deduct	-297.69	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,799.36	374.62
For >10 To 20, Deduct	-94.98	
For >20 To 40, Deduct	-189.97	
For >40, Deduct	-303.68	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,919.36	374.62
For >10 To 20, Deduct	-97.98	
For >20 To 40, Deduct	-195.97	
For >40, Deduct	-312.68	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,152.79	421.45
For >10 To 20, Deduct	-103.82	
For >20 To 40, Deduct	-207.64	
For >40, Deduct	-332.53	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,223.35	421.45
For >10 To 20, Deduct	-105.58	
For >20 To 40, Deduct	-211.17	
For >40, Deduct	-337.82	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,298.61	421.45
For >10 To 20, Deduct	-107.47	
For >20 To 40, Deduct	-214.93	
For >40, Deduct	-343.47	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,752.60	421.45
For >10 To 20, Deduct	-118.82	
For >20 To 40, Deduct	-237.63	
For >40, Deduct	-377.52	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,522.46	444.86
For >10 To 20, Deduct	-113.06	
For >20 To 40, Deduct	-226.12	
For >40, Deduct	-361.43	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,104.98	444.86
For >10 To 20, Deduct	-127.62	
For >20 To 40, Deduct	-255.25	
For >40, Deduct	-405.12	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,161.72	444.86
For >10 To 20, Deduct	-129.04	
For >20 To 40, Deduct	-258.09	
For >40, Deduct	-409.37	
26 56 13 00-0151 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,521.91	444.86
For >10 To 20, Deduct	-138.05	
For >20 To 40, Deduct	-276.10	
For >40, Deduct	-436.39	
26 56 13 00-0152 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,850.42	444.86
For >10 To 20, Deduct	-146.26	
For >20 To 40, Deduct	-292.52	
For >40, Deduct	-461.02	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56 13 00-0154 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,800.65	468.27
For >10 To 20, Deduct	-120.02	
For >20 To 40, Deduct	-240.03	
For >40, Deduct	-383.46	
26 56 13 00-0155 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,927.44	491.69
For >10 To 20, Deduct	-123.19	
For >20 To 40, Deduct	-246.37	
For >40, Deduct	-394.14	
26 56 13 00-0156 EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,025.73	515.10
For >10 To 20, Deduct	-125.64	
For >20 To 40, Deduct	-251.29	
For >40, Deduct	-402.69	
26 56 13 00-0157 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,162.82	515.10
For >10 To 20, Deduct	-129.07	
For >20 To 40, Deduct	-258.14	
For >40, Deduct	-412.97	
26 56 13 00-0158 EA 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,626.48	538.52
For >10 To 20, Deduct	-140.66	
For >20 To 40, Deduct	-281.32	
For >40, Deduct	-448.91	
26 56 13 00-0159 EA 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,495.73	561.94
For >10 To 20, Deduct	-162.39	
For >20 To 40, Deduct	-324.79	
For >40, Deduct	-515.28	
26 56 13 00-0160 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,286.10	538.52
For >10 To 20, Deduct	-157.15	
For >20 To 40, Deduct	-314.31	
For >40, Deduct	-498.38	
26 56 13 00-0161 EA 35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,399.92	561.94
For >10 To 20, Deduct	-160.00	
For >20 To 40, Deduct	-320.00	
For >40, Deduct	-508.09	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0162 EA 35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,853.16	585.35
For >10 To 20, Deduct	-196.33	
For >20 To 40, Deduct	-392.66	
For >40, Deduct	-618.25	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)		
26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)		
26 56 13 00-0165 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,043.92	280.96
For >10 To 20, Deduct	-76.10	
For >20 To 40, Deduct	-152.20	
For >40, Deduct	-242.34	
26 56 13 00-0166 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,132.34	280.96
For >10 To 20, Deduct	-78.31	
For >20 To 40, Deduct	-156.62	
For >40, Deduct	-248.97	
26 56 13 00-0167 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,220.95	280.96
For >10 To 20, Deduct	-80.52	
For >20 To 40, Deduct	-161.05	
For >40, Deduct	-255.62	
26 56 13 00-0168 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,592.77	374.62
For >10 To 20, Deduct	-89.82	
For >20 To 40, Deduct	-179.64	
For >40, Deduct	-288.19	
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,660.16	374.62
For >10 To 20, Deduct	-91.50	
For >20 To 40, Deduct	-183.01	
For >40, Deduct	-293.24	
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,733.79	374.62
For >10 To 20, Deduct	-93.34	
For >20 To 40, Deduct	-186.69	
For >40, Deduct	-298.77	
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,055.83	421.45
For >10 To 20, Deduct	-101.40	
For >20 To 40, Deduct	-202.79	
For >40, Deduct	-325.26	
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,147.32	421.45
For >10 To 20, Deduct	-103.68	
For >20 To 40, Deduct	-207.37	
For >40, Deduct	-332.12	
26 56 13 00-0173 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,161.04	421.45
For >10 To 20, Deduct	-104.03	
For >20 To 40, Deduct	-208.05	
For >40, Deduct	-333.15	
26 56 13 00-0174 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,428.18	444.86
For >10 To 20, Deduct	-110.70	
For >20 To 40, Deduct	-221.41	
For >40, Deduct	-354.36	
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,468.31	444.86
For >10 To 20, Deduct	-111.71	
For >20 To 40, Deduct	-223.42	
For >40, Deduct	-357.37	
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,562.39	444.86
For >10 To 20, Deduct	-114.06	
For >20 To 40, Deduct	-228.12	
For >40, Deduct	-364.42	
26 56 13 00-0177 Area Light Poles (26 56 13 00-0001)		
26 56 13 00-0178 Steel Area Light Poles (26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	724.90	163.90
For Galvanized Finish, Add	11.91	
For >10 To 20, Deduct	-24.08	
For >20 To 40, Deduct	-44.19	
For >40, Deduct	-92.35	
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	793.72	187.31
For Galvanized Finish, Add	12.57	
For >10 To 20, Deduct	-26.13	
For >20 To 40, Deduct	-48.07	
For >40, Deduct	-100.33	
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	887.85	210.72
For Galvanized Finish, Add	13.99	
For >10 To 20, Deduct	-29.19	
For >20 To 40, Deduct	-53.72	
For >40, Deduct	-112.11	
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	984.17	234.14
For Galvanized Finish, Add	15.48	
For >10 To 20, Deduct	-32.34	
For >20 To 40, Deduct	-59.53	
For >40, Deduct	-124.21	
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,053.00	257.55
For Galvanized Finish, Add	16.14	
For >10 To 20, Deduct	-34.39	
For >20 To 40, Deduct	-63.41	
For >40, Deduct	-132.20	
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,116.34	280.96
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-36.22	
For >20 To 40, Deduct	-66.91	
For >40, Deduct	-139.35	
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	753.50	163.90
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-25.22	
For >20 To 40, Deduct	-46.19	
For >40, Deduct	-96.64	
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	823.42	187.31
For Galvanized Finish, Add	13.46	
For >10 To 20, Deduct	-27.32	
For >20 To 40, Deduct	-50.15	
For >40, Deduct	-104.78	
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	947.25	210.72
For Galvanized Finish, Add	15.77	
For >10 To 20, Deduct	-31.57	
For >20 To 40, Deduct	-57.88	
For >40, Deduct	-121.02	
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,022.67	234.14
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-33.88	
For >20 To 40, Deduct	-62.22	
For >40, Deduct	-129.99	
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,094.80	257.55
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-36.07	
For >20 To 40, Deduct	-66.33	
For >40, Deduct	-138.47	
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,155.94	280.96
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-37.81	
For >20 To 40, Deduct	-69.68	
For >40, Deduct	-145.29	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,383.95	374.62
For Galvanized Finish, Add	19.04	
For >10 To 20, Deduct	-44.12	
For >20 To 40, Deduct	-81.89	
For >40, Deduct	-170.13	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	753.50	163.90
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-25.22	
For >20 To 40, Deduct	-46.19	
For >40, Deduct	-96.64	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	826.72	187.31
For Galvanized Finish, Add	13.56	
For >10 To 20, Deduct	-27.45	
For >20 To 40, Deduct	-50.38	
For >40, Deduct	-105.28	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	964.85	210.72
For Galvanized Finish, Add	16.30	
For >10 To 20, Deduct	-32.27	
For >20 To 40, Deduct	-59.11	
For >40, Deduct	-123.66	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,025.97	234.14
For Galvanized Finish, Add	16.73	
For >10 To 20, Deduct	-34.01	
For >20 To 40, Deduct	-62.45	
For >40, Deduct	-130.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,094.80	257.55
			<i>For Galvanized Finish, Add</i>	17.39	
			<i>For >10 To 20, Deduct</i>	-36.07	
			<i>For >20 To 40, Deduct</i>	-66.33	
			<i>For >40, Deduct</i>	-138.47	
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,155.94	280.96
			<i>For Galvanized Finish, Add</i>	17.82	
			<i>For >10 To 20, Deduct</i>	-37.81	
			<i>For >20 To 40, Deduct</i>	-69.68	
			<i>For >40, Deduct</i>	-145.29	
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,414.75	374.62
			<i>For Galvanized Finish, Add</i>	19.97	
			<i>For >10 To 20, Deduct</i>	-45.35	
			<i>For >20 To 40, Deduct</i>	-84.05	
			<i>For >40, Deduct</i>	-174.75	
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,565.60	421.45
			<i>For Galvanized Finish, Add</i>	21.68	
			<i>For >10 To 20, Deduct</i>	-49.98	
			<i>For >20 To 40, Deduct</i>	-92.73	
			<i>For >40, Deduct</i>	-192.70	
26 56	13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,226.34	280.96
			<i>For Galvanized Finish, Add</i>	19.93	
			<i>For >10 To 20, Deduct</i>	-40.62	
			<i>For >20 To 40, Deduct</i>	-74.61	
			<i>For >40, Deduct</i>	-155.85	
26 56	13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,429.05	374.62
			<i>For Galvanized Finish, Add</i>	20.39	
			<i>For >10 To 20, Deduct</i>	-45.92	
			<i>For >20 To 40, Deduct</i>	-85.05	
			<i>For >40, Deduct</i>	-176.90	
26 56	13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,593.10	421.45
			<i>For Galvanized Finish, Add</i>	22.51	
			<i>For >10 To 20, Deduct</i>	-51.08	
			<i>For >20 To 40, Deduct</i>	-94.66	
			<i>For >40, Deduct</i>	-196.82	
26 56	13 00-0205		Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0206		Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56	13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,474.94	280.96
			<i>For Galvanized Finish, Add</i>	27.39	
			<i>For >10 To 20, Deduct</i>	-50.57	
			<i>For >20 To 40, Deduct</i>	-92.01	
			<i>For >40, Deduct</i>	-193.14	
26 56	13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,509.04	280.96
			<i>For Galvanized Finish, Add</i>	28.41	
			<i>For >10 To 20, Deduct</i>	-51.93	
			<i>For >20 To 40, Deduct</i>	-94.39	
			<i>For >40, Deduct</i>	-198.26	
26 56	13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,771.15	374.62
			<i>For Galvanized Finish, Add</i>	30.66	
			<i>For >10 To 20, Deduct</i>	-59.61	
			<i>For >20 To 40, Deduct</i>	-109.00	
			<i>For >40, Deduct</i>	-228.21	
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,841.55	374.62
			<i>For Galvanized Finish, Add</i>	32.77	
			<i>For >10 To 20, Deduct</i>	-62.42	
			<i>For >20 To 40, Deduct</i>	-113.92	
			<i>For >40, Deduct</i>	-238.77	
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,974.80	421.45
			<i>For Galvanized Finish, Add</i>	33.96	
			<i>For >10 To 20, Deduct</i>	-66.35	
			<i>For >20 To 40, Deduct</i>	-121.38	
			<i>For >40, Deduct</i>	-254.08	
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,092.50	421.45
			<i>For Galvanized Finish, Add</i>	37.49	
			<i>For >10 To 20, Deduct</i>	-71.06	
			<i>For >20 To 40, Deduct</i>	-129.62	
			<i>For >40, Deduct</i>	-271.73	
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,163.52	444.86
			<i>For Galvanized Finish, Add</i>	38.21	
			<i>For >10 To 20, Deduct</i>	-73.20	
			<i>For >20 To 40, Deduct</i>	-133.65	
			<i>For >40, Deduct</i>	-280.04	
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,236.12	444.86
			<i>For Galvanized Finish, Add</i>	40.39	
			<i>For >10 To 20, Deduct</i>	-76.10	
			<i>For >20 To 40, Deduct</i>	-138.73	
			<i>For >40, Deduct</i>	-290.93	
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,409.92	444.86
			<i>For Galvanized Finish, Add</i>	45.61	
			<i>For >10 To 20, Deduct</i>	-83.05	
			<i>For >20 To 40, Deduct</i>	-150.90	
			<i>For >40, Deduct</i>	-317.00	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,443.55 45.21 -83.69 -152.32 -319.71	468.27
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,474.35 46.13 -84.93 -154.47 -324.33	468.27
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,348.22 63.92 -115.67 -210.03 -441.36	608.76
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,528.93 63.72 -120.08 -218.93 -459.10	702.41
26 56	13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,318.95 47.09 -81.52 -147.34 -310.38	374.62
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,630.40 53.63 -92.57 -167.27 -352.42	421.45
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,036.45 63.00 -107.41 -193.82 -408.64	468.27
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,691.42 74.22 -129.39 -234.05 -492.84	608.76
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,303.33 86.96 -151.06 -273.14 -575.26	702.41
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,751.03 100.39 -168.97 -304.48 -642.41	702.41
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,247.03 145.27 -228.81 -409.20 -866.81	702.41
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,973.03 167.05 -257.85 -460.02 -975.71	702.41
26 56	13 00-0228		Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0229		Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	716.10 11.65 -23.73 -43.57 -91.03	163.90
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	762.92 11.65 -24.90 -45.91 -95.71	187.31
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	828.45 12.21 -26.82 -49.56 -103.20	210.72
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	878.26 13.00 -28.46 -52.58 -109.50	222.44

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	901.67	234.14
For Galvanized Finish, Add	13.00	
For >10 To 20, Deduct	-29.04	
For >20 To 40, Deduct	-53.75	
For >40, Deduct	-111.84	
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	960.60	257.55
For Galvanized Finish, Add	13.37	
For >10 To 20, Deduct	-30.70	
For >20 To 40, Deduct	-56.94	
For >40, Deduct	-118.34	
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,017.34	280.96
For Galvanized Finish, Add	13.66	
For >10 To 20, Deduct	-32.26	
For >20 To 40, Deduct	-59.98	
For >40, Deduct	-124.50	
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,270.65	374.62
For Galvanized Finish, Add	15.64	
For >10 To 20, Deduct	-39.59	
For >20 To 40, Deduct	-73.96	
For >40, Deduct	-153.14	
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,165.84	280.96
For Galvanized Finish, Add	18.12	
For >10 To 20, Deduct	-38.20	
For >20 To 40, Deduct	-70.37	
For >40, Deduct	-146.78	
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,475.25	374.62
For Galvanized Finish, Add	21.78	
For >10 To 20, Deduct	-47.77	
For >20 To 40, Deduct	-88.28	
For >40, Deduct	-183.83	
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,688.80	421.45
For Galvanized Finish, Add	25.38	
For >10 To 20, Deduct	-54.91	
For >20 To 40, Deduct	-101.36	
For >40, Deduct	-211.18	
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,125.14	280.96
For Galvanized Finish, Add	16.90	
For >10 To 20, Deduct	-36.58	
For >20 To 40, Deduct	-67.52	
For >40, Deduct	-140.67	
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,396.05	374.62
For Galvanized Finish, Add	19.40	
For >10 To 20, Deduct	-44.60	
For >20 To 40, Deduct	-82.74	
For >40, Deduct	-171.95	
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,620.60	421.45
For Galvanized Finish, Add	23.33	
For >10 To 20, Deduct	-52.18	
For >20 To 40, Deduct	-96.58	
For >40, Deduct	-200.95	
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,264.84	280.96
For Galvanized Finish, Add	21.09	
For >10 To 20, Deduct	-42.16	
For >20 To 40, Deduct	-77.30	
For >40, Deduct	-161.63	
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,574.25	374.62
For Galvanized Finish, Add	24.75	
For >10 To 20, Deduct	-51.73	
For >20 To 40, Deduct	-95.21	
For >40, Deduct	-198.68	
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,782.30	421.45
For Galvanized Finish, Add	28.18	
For >10 To 20, Deduct	-58.65	
For >20 To 40, Deduct	-107.90	
For >40, Deduct	-225.20	
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,965.52	444.86
For Galvanized Finish, Add	32.27	
For >10 To 20, Deduct	-65.28	
For >20 To 40, Deduct	-119.79	
For >40, Deduct	-250.34	
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,999.00	421.45
For Galvanized Finish, Add	34.68	
For >10 To 20, Deduct	-67.32	
For >20 To 40, Deduct	-123.07	
For >40, Deduct	-257.71	
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,183.32	444.86
For Galvanized Finish, Add	38.81	
For >10 To 20, Deduct	-73.99	
For >20 To 40, Deduct	-135.04	
For >40, Deduct	-283.01	
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,308.25	468.27
For Galvanized Finish, Add	41.15	
For >10 To 20, Deduct	-78.28	
For >20 To 40, Deduct	-142.85	
For >40, Deduct	-299.41	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,385.97	280.96
<i>For Galvanized Finish, Add</i>	54.72	
<i>For >10 To 20, Deduct</i>	-87.01	
<i>For >20 To 40, Deduct</i>	-155.78	
<i>For >40, Deduct</i>	-329.80	
26 56 13 00-0254 EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,697.30	374.62
<i>For Galvanized Finish, Add</i>	58.44	
<i>For >10 To 20, Deduct</i>	-96.65	
<i>For >20 To 40, Deduct</i>	-173.83	
<i>For >40, Deduct</i>	-367.13	
26 56 13 00-0255 EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,717.59	421.45
<i>For Galvanized Finish, Add</i>	86.24	
<i>For >10 To 20, Deduct</i>	-136.06	
<i>For >20 To 40, Deduct</i>	-243.37	
<i>For >40, Deduct</i>	-515.49	
26 56 13 00-0256 EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,430.43	280.96
<i>For Galvanized Finish, Add</i>	56.05	
<i>For >10 To 20, Deduct</i>	-88.79	
<i>For >20 To 40, Deduct</i>	-158.89	
<i>For >40, Deduct</i>	-336.47	
26 56 13 00-0257 EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,955.87	374.62
<i>For Galvanized Finish, Add</i>	66.20	
<i>For >10 To 20, Deduct</i>	-107.00	
<i>For >20 To 40, Deduct</i>	-191.93	
<i>For >40, Deduct</i>	-405.92	
26 56 13 00-0258 EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,102.52	421.45
<i>For Galvanized Finish, Add</i>	97.79	
<i>For >10 To 20, Deduct</i>	-151.46	
<i>For >20 To 40, Deduct</i>	-270.32	
<i>For >40, Deduct</i>	-573.23	
26 56 13 00-0259 EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,686.37	444.86
<i>For Galvanized Finish, Add</i>	113.90	
<i>For >10 To 20, Deduct</i>	-174.11	
<i>For >20 To 40, Deduct</i>	-310.25	
<i>For >40, Deduct</i>	-658.47	
26 56 13 00-0260 EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,478.49	468.27
<i>For Galvanized Finish, Add</i>	136.26	
<i>For >10 To 20, Deduct</i>	-205.09	
<i>For >20 To 40, Deduct</i>	-364.76	
<i>For >40, Deduct</i>	-774.95	
26 56 13 00-0261 EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,315.77	280.96
<i>For Galvanized Finish, Add</i>	52.61	
<i>For >10 To 20, Deduct</i>	-84.20	
<i>For >20 To 40, Deduct</i>	-150.87	
<i>For >40, Deduct</i>	-319.27	
26 56 13 00-0262 EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,584.98	374.62
<i>For Galvanized Finish, Add</i>	55.07	
<i>For >10 To 20, Deduct</i>	-92.16	
<i>For >20 To 40, Deduct</i>	-165.96	
<i>For >40, Deduct</i>	-350.28	
26 56 13 00-0263 EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,519.86	421.45
<i>For Galvanized Finish, Add</i>	80.31	
<i>For >10 To 20, Deduct</i>	-128.15	
<i>For >20 To 40, Deduct</i>	-229.53	
<i>For >40, Deduct</i>	-465.83	
26 56 13 00-0264 EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,396.50	280.96
<i>For Galvanized Finish, Add</i>	55.04	
<i>For >10 To 20, Deduct</i>	-87.43	
<i>For >20 To 40, Deduct</i>	-156.52	
<i>For >40, Deduct</i>	-331.38	
26 56 13 00-0265 EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,850.57	374.62
<i>For Galvanized Finish, Add</i>	63.04	
<i>For >10 To 20, Deduct</i>	-102.78	
<i>For >20 To 40, Deduct</i>	-184.55	
<i>For >40, Deduct</i>	-390.12	
26 56 13 00-0266 EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	3,956.27	421.45
<i>For Galvanized Finish, Add</i>	93.40	
<i>For >10 To 20, Deduct</i>	-145.61	
<i>For >20 To 40, Deduct</i>	-260.08	
<i>For >40, Deduct</i>	-551.30	
26 56 13 00-0267 EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,520.52	280.96
<i>For Galvanized Finish, Add</i>	58.76	
<i>For >10 To 20, Deduct</i>	-92.39	
<i>For >20 To 40, Deduct</i>	-165.20	
<i>For >40, Deduct</i>	-349.98	
26 56 13 00-0268 EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,074.04	374.62
<i>For Galvanized Finish, Add</i>	69.74	
<i>For >10 To 20, Deduct</i>	-111.72	
<i>For >20 To 40, Deduct</i>	-200.20	
<i>For >40, Deduct</i>	-423.64	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,219.52 101.30 -156.14 -278.51 -590.78	421.45
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,829.11 118.18 -179.82 -320.24 -679.88	444.86
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,554.54 138.54 -208.13 -370.09 -786.35	468.27
26 56 13 00-0272 Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>					
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>					
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,845.64 38.51 -65.40 -117.96 -248.75	280.96
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,259.55 45.31 -79.14 -143.18 -301.47	374.62
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,517.10 50.23 -88.04 -159.34 -335.42	421.45
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,780.62 56.73 -97.88 -176.85 -372.61	444.86
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,930.85 59.83 -103.19 -186.43 -392.80	468.27
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,339.54 53.33 -85.15 -152.53 -322.83	280.96
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,646.75 56.93 -94.63 -170.29 -359.55	374.62
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,833.90 59.73 -100.71 -181.52 -382.94	421.45
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,124.30 68.44 -112.33 -201.84 -426.50	421.45
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,380.12 74.71 -121.86 -218.81 -462.53	444.86
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,739.82 85.50 -136.25 -243.99 -516.49	444.86
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,443.45 75.21 -123.69 -222.31 -469.69	468.27
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,328.95 101.77 -159.11 -284.30 -602.52	468.27



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,097.32 86.39 -145.63 -262.46 -553.72	608.76
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,701.22 104.51 -169.79 -304.74 -644.31	608.76
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,919.33 105.44 -175.70 -316.26 -667.66	702.41
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
26 56 13 00-0292	EA		Festoon Outlet Provision For Steel Area Light Poles..... <i>Note: Excludes electrical outlet.</i>	54.00	
26 56 13 00-0293	EA		Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294	EA		Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295			Aluminum Area Light Poles <small>(26 56 13 00-0177)</small> <i>Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.</i>		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297			Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0298	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	709.96 42.90 85.80 -24.18 -44.08 -92.45	140.49
26 56 13 00-0299	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	778.80 45.10 90.20 -26.24 -47.96 -100.43	163.90
26 56 13 00-0300	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	853.12 47.85 95.70 -28.51 -52.23 -109.24	187.31
26 56 13 00-0301	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	928.55 50.71 101.42 -30.82 -56.57 -118.21	210.72
26 56 13 00-0302	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	970.66 52.58 105.16 -32.15 -59.05 -123.36	222.44
26 56 13 00-0303	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,011.67 54.34 108.68 -33.44 -61.45 -128.34	234.14
26 56 13 00-0304	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,077.67 60.94 121.88 -36.08 -66.07 -138.24	234.14
26 56 13 00-0305	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,166.30 65.12 130.24 -38.93 -71.34 -149.19	257.55
26 56 13 00-0306	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,248.34 68.64 137.28 -41.50 -76.15 -159.15	280.96

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,213.76 76.89 153.78 -41.88 -76.07 -159.82	222.44
26 56	13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,491.44 92.95 185.90 -51.23 -93.16 -195.62	280.96
26 56	13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,614.64 105.27 210.54 -56.16 -101.79 -214.10	280.96
26 56	13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,917.45 116.82 233.64 -65.46 -119.24 -250.16	374.62
26 56	13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,230.00 138.71 277.42 -76.56 -139.24 -292.36	421.45
26 56	13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,324.24 76.23 152.46 -44.54 -81.46 -170.54	280.96
26 56	13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,604.74 104.28 208.56 -55.76 -101.09 -212.61	280.96
26 56	13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,899.85 115.06 230.12 -64.76 -118.00 -247.52	374.62
26 56	13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,059.35 131.01 262.02 -71.14 -129.17 -271.44	374.62
26 56	13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,410.40 156.75 313.50 -83.77 -151.87 -319.42	421.45
26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0296)					
26 56	13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	822.16 81.18 -28.67 -51.93 -109.28	140.49
26 56	13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	913.00 87.78 -31.60 -57.35 -120.56	163.90
26 56	13 00-0320	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	999.42 93.72 -34.36 -62.47 -131.18	187.31
26 56	13 00-0321	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,064.95 96.53 -36.28 -66.12 -138.67	210.72



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0322	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,143.67 101.31 -38.72 -70.69 -148.14	234.14
26 56	13 00-0323	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	936.10 91.25 -32.53 -58.97 -124.03	163.90
26 56	13 00-0324	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,020.32 96.86 -35.19 -63.93 -134.32	187.31
26 56	13 00-0325	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,107.85 102.96 -37.99 -69.12 -145.11	210.72
26 56	13 00-0326	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,194.27 108.90 -40.75 -74.23 -155.73	234.14
26 56	13 00-0327	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,286.20 115.67 -43.72 -79.73 -167.18	257.55
26 56	13 00-0328	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,371.54 121.44 -46.43 -84.77 -177.63	280.96
26 56	13 00-0329	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,063.22 103.29 -36.91 -66.93 -140.75	187.31
26 56	13 00-0330	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,158.45 110.55 -40.02 -72.66 -152.70	210.72
26 56	13 00-0331	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,252.57 117.65 -43.08 -78.31 -164.47	234.14
26 56	13 00-0332	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,348.90 125.07 -46.23 -84.12 -176.58	257.55
26 56	13 00-0333	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,314.17 126.89 -45.54 -82.63 -173.71	234.14
26 56	13 00-0334	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,515.64 143.06 -52.20 -94.86 -199.25	280.96
26 56	13 00-0335	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,103.92 109.40 -38.54 -69.78 -146.86	187.31
26 56	13 00-0336	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,211.25 118.47 -42.13 -76.36 -160.62	210.72
26 56	13 00-0337	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,307.57 125.90 -45.28 -82.16 -172.72	234.14
26 56	13 00-0338	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,410.50 134.31 -48.69 -88.43 -185.82	257.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0339 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,510.14 142.23 -51.98 -94.47 -198.42	280.96
26 56 13 00-0340 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,387.87 137.94 -48.49 -87.79 -184.77	234.14
26 56 13 00-0341 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,500.70 147.84 -52.30 -94.75 -199.35	257.55
26 56 13 00-0342 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,544.24 147.35 -53.34 -96.86 -203.54	280.96
26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	638.94 40.48 80.96 -22.05 -40.04 -84.13	117.07
26 56 13 00-0345 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	683.25 42.57 85.14 -23.47 -42.68 -89.61	128.77
26 56 13 00-0346 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	756.16 47.52 95.04 -26.03 -47.31 -99.38	140.49
26 56 13 00-0347 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	781.46 50.05 100.10 -27.04 -49.08 -103.17	140.49
26 56 13 00-0348 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	813.36 53.24 106.48 -28.32 -51.32 -107.96	140.49
26 56 13 00-0349 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	933.58 62.92 125.84 -32.78 -59.26 -124.82	152.19
26 56 13 00-0350 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	997.70 66.99 133.98 -34.99 -63.28 -133.27	163.90
26 56 13 00-0351 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,168.20 84.04 168.08 -41.81 -75.22 -158.84	163.90
26 56 13 00-0352 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,433.92 105.93 211.86 -51.74 -92.88 -196.36	187.31
26 56 13 00-0353 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,628.15 120.67 241.34 -58.80 -105.54 -223.15	210.72



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0354	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,829.45 140.80 281.60 -66.86 -119.63 -253.35	210.72
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>					
26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>					
26 56 13 00-0357	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	592.26 31.13 62.26 -19.48 -35.84 -74.79	140.49
26 56 13 00-0358	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	664.40 33.66 67.32 -21.66 -39.95 -83.27	163.90
26 56 13 00-0359	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	736.52 36.19 72.38 -23.84 -44.06 -91.75	187.31
26 56 13 00-0360	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	818.55 39.71 79.42 -26.42 -48.87 -101.71	210.72
26 56 13 00-0361	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	899.47 43.12 86.24 -28.95 -53.60 -111.51	234.14
26 56 13 00-0362	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	693.00 36.52 73.04 -22.80 -41.95 -87.56	163.90
26 56 13 00-0363	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	781.62 40.70 81.40 -25.65 -47.22 -98.51	187.31
26 56 13 00-0364	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	866.95 44.55 89.10 -28.36 -52.26 -108.97	210.72
26 56 13 00-0365	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,029.90 51.48 102.96 -33.47 -61.79 -128.73	257.55
26 56 13 00-0366	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,104.24 54.23 108.46 -35.74 -66.06 -137.54	280.96
26 56 13 00-0367	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	822.32 44.77 89.54 -27.27 -50.07 -104.62	187.31
26 56 13 00-0368	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	914.25 49.28 98.56 -30.25 -55.57 -116.07	210.72

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,013.87 54.56 109.12 -33.53 -61.61 -128.67	234.14
26 56	13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,093.70 57.86 115.72 -36.02 -66.26 -138.30	257.55
26 56	13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,188.94 62.70 125.40 -39.13 -71.99 -150.24	280.96
26 56	13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,121.67 65.34 130.68 -37.84 -69.15 -144.84	234.14
26 56	13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,231.20 71.61 143.22 -41.52 -75.88 -158.93	257.55
26 56	13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,295.64 73.37 146.74 -43.40 -79.46 -166.25	280.96
26 56	13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,487.19 83.16 166.32 -49.65 -90.99 -190.30	327.80
26 56	13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,685.35 93.61 187.22 -56.18 -102.99 -215.34	374.62
26 56	13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,339.00 82.39 164.78 -45.83 -83.43 -175.10	257.55
26 56	13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,426.54 86.46 172.92 -48.63 -88.62 -185.88	280.96
26 56	13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,590.59 93.50 187.00 -53.79 -98.23 -205.81	327.80
26 56	13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,764.55 101.53 203.06 -59.34 -108.53 -227.22	374.62
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,900.47 110.44 220.88 -64.08 -117.11 -245.27	398.04
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,038.60 119.57 239.14 -68.90 -125.84 -263.65	421.45



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,692.89 103.73 207.46 -57.88 -105.39 -221.15	327.80
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,832.75 108.35 216.70 -62.07 -113.31 -237.45	374.62
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,974.17 117.81 235.62 -67.03 -122.27 -256.32	398.04
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,153.00 131.01 262.02 -73.48 -133.85 -280.81	421.45
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,225.91 135.96 271.92 -76.04 -138.49 -290.57	433.16
26 56	13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,382.42 149.27 298.54 -81.95 -148.98 -312.88	444.86
26 56	13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	867.42 49.28 98.56 -29.08 -53.23 -111.38	187.31
26 56	13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	967.05 54.56 109.12 -32.36 -59.26 -123.99	210.72
26 56	13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,071.07 60.28 120.56 -35.82 -65.61 -137.25	234.14
26 56	13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,163.00 64.79 129.58 -38.79 -71.11 -148.70	257.55
26 56	13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,253.84 69.19 138.38 -41.72 -76.53 -159.98	280.96
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,190.97 72.27 144.54 -40.61 -74.00 -155.23	234.14
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,303.80 78.87 157.74 -44.43 -80.96 -169.82	257.55
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,382.54 82.06 164.12 -46.87 -85.54 -179.28	280.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,568.59	327.80
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.30	
			<i>For Black Anodized Finish, Add</i>	182.60	
			<i>For >10 To 20, Deduct</i>	-52.91	
			<i>For >20 To 40, Deduct</i>	-96.69	
			<i>For >40, Deduct</i>	-202.51	
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,761.25	374.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.20	
			<i>For Black Anodized Finish, Add</i>	202.40	
			<i>For >10 To 20, Deduct</i>	-59.21	
			<i>For >20 To 40, Deduct</i>	-108.30	
			<i>For >40, Deduct</i>	-226.73	
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,817.19	327.80
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.16	
			<i>For Black Anodized Finish, Add</i>	232.32	
			<i>For >10 To 20, Deduct</i>	-62.85	
			<i>For >20 To 40, Deduct</i>	-114.09	
			<i>For >40, Deduct</i>	-239.80	
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,997.75	374.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.85	
			<i>For Black Anodized Finish, Add</i>	249.70	
			<i>For >10 To 20, Deduct</i>	-68.67	
			<i>For >20 To 40, Deduct</i>	-124.86	
			<i>For >40, Deduct</i>	-262.20	
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,152.37	398.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.63	
			<i>For Black Anodized Finish, Add</i>	271.26	
			<i>For >10 To 20, Deduct</i>	-74.15	
			<i>For >20 To 40, Deduct</i>	-134.74	
			<i>For >40, Deduct</i>	-283.05	
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,288.30	421.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	144.54	
			<i>For Black Anodized Finish, Add</i>	289.08	
			<i>For >10 To 20, Deduct</i>	-78.89	
			<i>For >20 To 40, Deduct</i>	-143.32	
			<i>For >40, Deduct</i>	-301.10	
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,418.41	433.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	155.21	
			<i>For Black Anodized Finish, Add</i>	310.42	
			<i>For >10 To 20, Deduct</i>	-83.74	
			<i>For >20 To 40, Deduct</i>	-151.96	
			<i>For >40, Deduct</i>	-319.45	
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,530.92	444.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	164.12	
			<i>For Black Anodized Finish, Add</i>	328.24	
			<i>For >10 To 20, Deduct</i>	-87.89	
			<i>For >20 To 40, Deduct</i>	-159.37	
			<i>For >40, Deduct</i>	-335.15	
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,625.84	456.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	171.27	
			<i>For Black Anodized Finish, Add</i>	342.54	
			<i>For >10 To 20, Deduct</i>	-91.34	
			<i>For >20 To 40, Deduct</i>	-165.55	
			<i>For >40, Deduct</i>	-348.22	
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,803.25	468.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	186.67	
			<i>For Black Anodized Finish, Add</i>	373.34	
			<i>For >10 To 20, Deduct</i>	-98.08	
			<i>For >20 To 40, Deduct</i>	-177.50	
			<i>For >40, Deduct</i>	-373.66	
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,627.57	398.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	183.15	
			<i>For Black Anodized Finish, Add</i>	366.30	
			<i>For >10 To 20, Deduct</i>	-93.16	
			<i>For >20 To 40, Deduct</i>	-168.01	
			<i>For >40, Deduct</i>	-354.33	
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,838.30	421.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	199.54	
			<i>For Black Anodized Finish, Add</i>	399.08	
			<i>For >10 To 20, Deduct</i>	-100.89	
			<i>For >20 To 40, Deduct</i>	-181.82	
			<i>For >40, Deduct</i>	-383.60	
26 56	13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,990.41	433.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	212.41	
			<i>For Black Anodized Finish, Add</i>	424.82	
			<i>For >10 To 20, Deduct</i>	-106.62	
			<i>For >20 To 40, Deduct</i>	-192.00	
			<i>For >40, Deduct</i>	-405.25	
26 56	13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,104.02	444.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	221.43	
			<i>For Black Anodized Finish, Add</i>	442.86	
			<i>For >10 To 20, Deduct</i>	-110.82	
			<i>For >20 To 40, Deduct</i>	-199.49	
			<i>For >40, Deduct</i>	-421.12	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,163.74 225.06 450.12 -112.85 -203.20 -428.90	456.57
26 56	13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,359.85 242.33 484.66 -120.35 -216.46 -457.15	468.27
26 56	13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,476.87 168.08 336.16 -87.13 -157.46 -331.73	398.04
26 56	13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,667.80 182.49 364.98 -94.07 -169.89 -358.03	421.45
26 56	13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,740.71 187.44 374.88 -96.63 -174.52 -367.79	433.16
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,940.12 205.04 410.08 -104.26 -188.01 -396.53	444.86
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,033.94 212.08 424.16 -107.66 -194.11 -409.43	456.57
26 56	13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,231.15 229.46 458.92 -115.20 -207.45 -437.85	468.27
26 56	13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,165.47 236.94 473.88 -114.68 -205.66 -435.02	398.04
26 56	13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,346.50 250.36 500.72 -121.22 -217.40 -459.83	421.45
26 56	13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,500.81 263.45 526.90 -127.04 -227.73 -481.81	433.16
26 56	13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,744.22 285.45 570.90 -136.42 -244.30 -517.15	444.86
26 56	13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,791.84 287.87 575.74 -137.98 -247.17 -523.12	456.57
26 56	13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,034.15 309.76 619.52 -147.32 -263.66 -558.30	468.27

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0425	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,011.73 360.69 721.38 -179.40 -322.72 -681.52	702.41
26 56 13 00-0426	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,148.13 374.33 748.66 -184.85 -332.27 -701.98	702.41
26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0355)					
26 56 13 00-0428	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	828.76 82.17 -28.94 -52.39 -110.27	140.49
26 56 13 00-0429	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	898.70 85.64 -31.03 -56.35 -118.42	163.90
26 56 13 00-0430	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	969.72 89.27 -33.17 -60.39 -126.73	187.31
26 56 13 00-0431	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,042.95 93.23 -35.40 -64.58 -135.37	210.72
26 56 13 00-0432	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,115.07 97.02 -37.58 -68.69 -143.85	234.14
26 56 13 00-0433	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	911.90 87.62 -31.56 -57.28 -120.40	163.90
26 56 13 00-0434	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	985.12 91.58 -33.79 -61.47 -129.04	187.31
26 56 13 00-0435	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,060.55 95.87 -36.10 -65.81 -138.01	210.72
26 56 13 00-0436	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,134.87 99.99 -38.37 -70.08 -146.82	234.14
26 56 13 00-0437	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,223.50 106.26 -41.21 -75.34 -157.77	257.55
26 56 13 00-0438	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,302.24 111.05 -43.66 -79.92 -167.24	280.96
26 56 13 00-0439	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,028.02 98.01 -35.50 -64.47 -135.47	187.31
26 56 13 00-0440	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,108.95 103.13 -38.04 -69.20 -145.27	210.72
26 56 13 00-0441	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,203.07 110.22 -41.10 -74.85 -157.05	234.14



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0442	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,286.20 115.67 -43.72 -79.73 -167.18	257.55
26 56 13 00-0443	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,383.64 123.26 -46.92 -85.62 -179.45	280.96
26 56 13 00-0444	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,265.77 119.63 -43.61 -79.24 -166.45	234.14
26 56 13 00-0445	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,370.90 128.37 -47.11 -85.66 -179.88	257.55
26 56 13 00-0446	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,451.84 133.49 -49.64 -90.39 -189.68	280.96
26 56 13 00-0447	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,062.12 103.13 -36.87 -66.86 -140.59	187.31
26 56 13 00-0448	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,160.65 110.88 -40.10 -72.82 -153.03	210.72
26 56 13 00-0449	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,265.77 119.63 -43.61 -79.24 -166.45	234.14
26 56 13 00-0450	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,357.70 126.39 -46.58 -84.74 -177.90	257.55
26 56 13 00-0451	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,457.34 134.31 -49.86 -90.78 -190.50	280.96
26 56 13 00-0452	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,337.27 130.35 -46.47 -84.24 -177.18	234.14
26 56 13 00-0453	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,451.20 140.42 -50.32 -91.28 -191.93	257.55
26 56 13 00-0454	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,537.64 146.36 -53.08 -96.40 -202.55	280.96
26 56 13 00-0455			Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	559.74 32.56 65.12 -18.88 -34.50 -72.25	117.07
26 56 13 00-0457	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	590.54 35.64 71.28 -20.11 -36.66 -76.87	117.07

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	639.25	128.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.17	
			<i>For Black Anodized Finish, Add</i>	76.34	
			<i>For >10 To 20, Deduct</i>	-21.71	
			<i>For >20 To 40, Deduct</i>	-39.60	
			<i>For >40, Deduct</i>	-83.01	
26 56	13 00-0459	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	680.26	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.93	
			<i>For Black Anodized Finish, Add</i>	79.86	
			<i>For >10 To 20, Deduct</i>	-23.00	
			<i>For >20 To 40, Deduct</i>	-42.00	
			<i>For >40, Deduct</i>	-87.99	
26 56	13 00-0460	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	719.86	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.89	
			<i>For Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-24.58	
			<i>For >20 To 40, Deduct</i>	-44.77	
			<i>For >40, Deduct</i>	-93.93	
26 56	13 00-0461	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	668.95	128.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.14	
			<i>For Black Anodized Finish, Add</i>	82.28	
			<i>For >10 To 20, Deduct</i>	-22.89	
			<i>For >20 To 40, Deduct</i>	-41.68	
			<i>For >40, Deduct</i>	-87.47	
26 56	13 00-0462	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	723.16	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.22	
			<i>For Black Anodized Finish, Add</i>	88.44	
			<i>For >10 To 20, Deduct</i>	-24.71	
			<i>For >20 To 40, Deduct</i>	-45.00	
			<i>For >40, Deduct</i>	-94.43	
26 56	13 00-0463	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	745.16	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.42	
			<i>For Black Anodized Finish, Add</i>	92.84	
			<i>For >10 To 20, Deduct</i>	-25.59	
			<i>For >20 To 40, Deduct</i>	-46.54	
			<i>For >40, Deduct</i>	-97.73	
26 56	13 00-0464	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	803.78	152.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.94	
			<i>For Black Anodized Finish, Add</i>	99.88	
			<i>For >10 To 20, Deduct</i>	-27.59	
			<i>For >20 To 40, Deduct</i>	-50.18	
			<i>For >40, Deduct</i>	-105.35	
26 56	13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	858.00	163.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.02	
			<i>For Black Anodized Finish, Add</i>	106.04	
			<i>For >10 To 20, Deduct</i>	-29.40	
			<i>For >20 To 40, Deduct</i>	-53.50	
			<i>For >40, Deduct</i>	-112.31	
26 56	13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	808.96	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.80	
			<i>For Black Anodized Finish, Add</i>	105.60	
			<i>For >10 To 20, Deduct</i>	-28.14	
			<i>For >20 To 40, Deduct</i>	-51.01	
			<i>For >40, Deduct</i>	-107.30	
26 56	13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	874.18	152.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.98	
			<i>For Black Anodized Finish, Add</i>	113.96	
			<i>For >10 To 20, Deduct</i>	-30.40	
			<i>For >20 To 40, Deduct</i>	-55.11	
			<i>For >40, Deduct</i>	-115.91	
26 56	13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	933.90	163.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.61	
			<i>For Black Anodized Finish, Add</i>	121.22	
			<i>For >10 To 20, Deduct</i>	-32.44	
			<i>For >20 To 40, Deduct</i>	-58.82	
			<i>For >40, Deduct</i>	-123.70	
26 56	13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	964.38	152.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-34.01	
			<i>For >20 To 40, Deduct</i>	-61.42	
			<i>For >40, Deduct</i>	-129.44	
26 56	13 00-0470	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,240.32	187.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.57	
			<i>For Black Anodized Finish, Add</i>	173.14	
			<i>For >10 To 20, Deduct</i>	-43.99	
			<i>For >20 To 40, Deduct</i>	-79.33	
			<i>For >40, Deduct</i>	-167.32	
26 56	13 00-0471	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,364.62	187.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.00	
			<i>For Black Anodized Finish, Add</i>	198.00	
			<i>For >10 To 20, Deduct</i>	-48.97	
			<i>For >20 To 40, Deduct</i>	-88.03	
			<i>For >40, Deduct</i>	-185.96	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0472	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,518.15	210.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	109.67	
			<i>For Black Anodized Finish, Add</i>	219.34	
			<i>For >10 To 20, Deduct</i>	-54.40	
			<i>For >20 To 40, Deduct</i>	-97.84	
			<i>For >40, Deduct</i>	-206.65	
26 56 13 00-0473	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,653.45	210.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	123.20	
			<i>For Black Anodized Finish, Add</i>	246.40	
			<i>For >10 To 20, Deduct</i>	-59.82	
			<i>For >20 To 40, Deduct</i>	-107.31	
			<i>For >40, Deduct</i>	-226.95	
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0475			Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>		
26 56 13 00-0476	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	735.26	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.43	
			<i>For Black Anodized Finish, Add</i>	90.86	
			<i>For >10 To 20, Deduct</i>	-25.20	
			<i>For >20 To 40, Deduct</i>	-45.85	
			<i>For >40, Deduct</i>	-96.24	
26 56 13 00-0477	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	805.20	163.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.74	
			<i>For Black Anodized Finish, Add</i>	95.48	
			<i>For >10 To 20, Deduct</i>	-27.29	
			<i>For >20 To 40, Deduct</i>	-49.81	
			<i>For >40, Deduct</i>	-104.39	
26 56 13 00-0478	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	883.92	187.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.93	
			<i>For Black Anodized Finish, Add</i>	101.86	
			<i>For >10 To 20, Deduct</i>	-29.74	
			<i>For >20 To 40, Deduct</i>	-54.38	
			<i>For >40, Deduct</i>	-113.86	
26 56 13 00-0479	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	961.55	210.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.01	
			<i>For Black Anodized Finish, Add</i>	108.02	
			<i>For >10 To 20, Deduct</i>	-32.14	
			<i>For >20 To 40, Deduct</i>	-58.88	
			<i>For >40, Deduct</i>	-123.16	
26 56 13 00-0480	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,004.76	222.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.99	
			<i>For Black Anodized Finish, Add</i>	111.98	
			<i>For >10 To 20, Deduct</i>	-33.52	
			<i>For >20 To 40, Deduct</i>	-61.44	
			<i>For >40, Deduct</i>	-128.47	
26 56 13 00-0481	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,047.97	234.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.97	
			<i>For Black Anodized Finish, Add</i>	115.94	
			<i>For >10 To 20, Deduct</i>	-34.89	
			<i>For >20 To 40, Deduct</i>	-63.99	
			<i>For >40, Deduct</i>	-133.78	
26 56 13 00-0482	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,132.20	257.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.71	
			<i>For Black Anodized Finish, Add</i>	123.42	
			<i>For >10 To 20, Deduct</i>	-37.56	
			<i>For >20 To 40, Deduct</i>	-68.95	
			<i>For >40, Deduct</i>	-144.08	
26 56 13 00-0483	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,226.34	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.44	
			<i>For Black Anodized Finish, Add</i>	132.88	
			<i>For >10 To 20, Deduct</i>	-40.62	
			<i>For >20 To 40, Deduct</i>	-74.61	
			<i>For >40, Deduct</i>	-155.85	
26 56 13 00-0484	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,123.87	234.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.56	
			<i>For Black Anodized Finish, Add</i>	131.12	
			<i>For >10 To 20, Deduct</i>	-37.93	
			<i>For >20 To 40, Deduct</i>	-69.31	
			<i>For >40, Deduct</i>	-145.17	
26 56 13 00-0485	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,210.30	257.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.52	
			<i>For Black Anodized Finish, Add</i>	139.04	
			<i>For >10 To 20, Deduct</i>	-40.69	
			<i>For >20 To 40, Deduct</i>	-74.42	
			<i>For >40, Deduct</i>	-155.79	
26 56 13 00-0486	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,311.04	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	74.91	
			<i>For Black Anodized Finish, Add</i>	149.82	
			<i>For >10 To 20, Deduct</i>	-44.01	
			<i>For >20 To 40, Deduct</i>	-80.53	
			<i>For >40, Deduct</i>	-168.56	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0487	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,334.76	222.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.99	
			<i>For Black Anodized Finish, Add</i>	177.98	
			<i>For >10 To 20, Deduct</i>	-46.72	
			<i>For >20 To 40, Deduct</i>	-84.54	
			<i>For >40, Deduct</i>	-177.97	
26 56 13 00-0488	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,626.74	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	106.48	
			<i>For Black Anodized Finish, Add</i>	212.96	
			<i>For >10 To 20, Deduct</i>	-56.64	
			<i>For >20 To 40, Deduct</i>	-102.63	
			<i>For >40, Deduct</i>	-215.91	
26 56 13 00-0489	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,951.55	374.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.23	
			<i>For Black Anodized Finish, Add</i>	240.46	
			<i>For >10 To 20, Deduct</i>	-66.82	
			<i>For >20 To 40, Deduct</i>	-121.62	
			<i>For >40, Deduct</i>	-255.27	
26 56 13 00-0490	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,379.24	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.73	
			<i>For Black Anodized Finish, Add</i>	163.46	
			<i>For >10 To 20, Deduct</i>	-46.74	
			<i>For >20 To 40, Deduct</i>	-85.31	
			<i>For >40, Deduct</i>	-178.79	
26 56 13 00-0491	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,759.84	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.79	
			<i>For Black Anodized Finish, Add</i>	239.58	
			<i>For >10 To 20, Deduct</i>	-61.96	
			<i>For >20 To 40, Deduct</i>	-111.95	
			<i>For >40, Deduct</i>	-235.88	
26 56 13 00-0492	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,072.55	374.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	132.33	
			<i>For Black Anodized Finish, Add</i>	264.66	
			<i>For >10 To 20, Deduct</i>	-71.66	
			<i>For >20 To 40, Deduct</i>	-130.09	
			<i>For >40, Deduct</i>	-273.42	
26 56 13 00-0493	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,968.84	280.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	140.69	
			<i>For Black Anodized Finish, Add</i>	281.38	
			<i>For >10 To 20, Deduct</i>	-70.32	
			<i>For >20 To 40, Deduct</i>	-126.58	
			<i>For >40, Deduct</i>	-267.23	
26 56 13 00-0494	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,345.35	374.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	159.61	
			<i>For Black Anodized Finish, Add</i>	319.22	
			<i>For >10 To 20, Deduct</i>	-82.58	
			<i>For >20 To 40, Deduct</i>	-149.19	
			<i>For >40, Deduct</i>	-314.34	
26 56 13 00-0495	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,722.80	421.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	187.99	
			<i>For Black Anodized Finish, Add</i>	375.98	
			<i>For >10 To 20, Deduct</i>	-96.27	
			<i>For >20 To 40, Deduct</i>	-173.74	
			<i>For >40, Deduct</i>	-366.28	
26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0497	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	667.54	117.07
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.34	
			<i>For Black Anodized Finish, Add</i>	86.68	
			<i>For >10 To 20, Deduct</i>	-23.19	
			<i>For >20 To 40, Deduct</i>	-42.05	
			<i>For >40, Deduct</i>	-88.42	
26 56 13 00-0498	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	747.05	128.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.95	
			<i>For Black Anodized Finish, Add</i>	97.90	
			<i>For >10 To 20, Deduct</i>	-26.02	
			<i>For >20 To 40, Deduct</i>	-47.14	
			<i>For >40, Deduct</i>	-99.18	
26 56 13 00-0499	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	793.56	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.26	
			<i>For Black Anodized Finish, Add</i>	102.52	
			<i>For >10 To 20, Deduct</i>	-27.53	
			<i>For >20 To 40, Deduct</i>	-49.93	
			<i>For >40, Deduct</i>	-104.99	
26 56 13 00-0500	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	821.06	140.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.01	
			<i>For Black Anodized Finish, Add</i>	108.02	
			<i>For >10 To 20, Deduct</i>	-28.63	
			<i>For >20 To 40, Deduct</i>	-51.86	
			<i>For >40, Deduct</i>	-109.11	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0501	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	855.16 57.42 114.84 -29.99 -54.24 -114.23	140.49
26 56	13 00-0502	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	995.18 69.08 138.16 -35.24 -63.58 -134.06	152.19
26 56	13 00-0503	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,065.90 73.81 147.62 -37.72 -68.06 -143.50	163.90
26 56	13 00-0504	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,238.60 91.08 182.16 -44.63 -80.15 -169.40	163.90
26 56	13 00-0505	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,424.02 104.94 209.88 -51.34 -92.19 -194.87	187.31
26 56	13 00-0506	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,810.12 143.55 287.10 -66.79 -119.22 -252.79	187.31
26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>					
	26 56 13 00-0508	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00	
	26 56 13 00-0509	EA	Extra Handhole For Aluminum Area Light Poles.....	41.00	
	26 56 13 00-0510	EA	Festoon Outlet Provision For Aluminum Area Light Poles..... <i>Note: Excludes electrical outlet.</i>	42.00	
	26 56 13 00-0511	EA	Vibration Dampener For Aluminum Area Light Poles	59.00	
26 56 13 00-0512 Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small>					
<i>Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.</i>					
26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0512)</small>					
26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0513)</small>					
	26 56 13 00-0515	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	974.60 -34.07 -61.67 -129.80	163.90
	26 56 13 00-0516	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,059.92 -36.78 -66.70 -140.26	187.31
	26 56 13 00-0517	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,146.35 -39.53 -71.82 -150.88	210.72
	26 56 13 00-0518	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,231.67 -42.24 -76.85 -161.34	234.14
	26 56 13 00-0519	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,336.80 -45.75 -83.27 -174.77	257.55
	26 56 13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,424.34 -48.54 -88.47 -185.55	280.96
	26 56 13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,557.59 -52.47 -95.92 -200.86	327.80
	26 56 13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,689.75 -56.35 -103.30 -216.00	374.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0523 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,778.85	374.62
For >10 To 20, Deduct	-59.92	
For >20 To 40, Deduct	-109.53	
For >40, Deduct	-229.37	
26 56 13 00-0524 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,903.77	398.04
For >10 To 20, Deduct	-64.21	
For >20 To 40, Deduct	-117.34	
For >40, Deduct	-245.76	
26 56 13 00-0525 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,028.70	421.45
For >10 To 20, Deduct	-68.50	
For >20 To 40, Deduct	-125.15	
For >40, Deduct	-262.16	
26 56 13 00-0526 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,075.80	163.90
For >10 To 20, Deduct	-38.12	
For >20 To 40, Deduct	-68.75	
For >40, Deduct	-144.98	
26 56 13 00-0527 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,141.32	187.31
For >10 To 20, Deduct	-40.03	
For >20 To 40, Deduct	-72.40	
For >40, Deduct	-152.47	
26 56 13 00-0528 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,207.95	210.72
For >10 To 20, Deduct	-42.00	
For >20 To 40, Deduct	-76.13	
For >40, Deduct	-160.12	
26 56 13 00-0529 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,276.77	234.14
For >10 To 20, Deduct	-44.05	
For >20 To 40, Deduct	-80.01	
For >40, Deduct	-168.10	
26 56 13 00-0530 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,351.10	257.55
For >10 To 20, Deduct	-46.32	
For >20 To 40, Deduct	-84.28	
For >40, Deduct	-176.91	
26 56 13 00-0531 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,424.34	280.96
For >10 To 20, Deduct	-48.54	
For >20 To 40, Deduct	-88.47	
For >40, Deduct	-185.55	
26 56 13 00-0532 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,544.39	327.80
For >10 To 20, Deduct	-51.94	
For >20 To 40, Deduct	-95.00	
For >40, Deduct	-198.88	
26 56 13 00-0533 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,689.75	374.62
For >10 To 20, Deduct	-56.35	
For >20 To 40, Deduct	-103.30	
For >40, Deduct	-216.00	
26 56 13 00-0534 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,727.15	374.62
For >10 To 20, Deduct	-57.85	
For >20 To 40, Deduct	-105.92	
For >40, Deduct	-221.61	
26 56 13 00-0535 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,812.47	398.04
For >10 To 20, Deduct	-60.56	
For >20 To 40, Deduct	-110.95	
For >40, Deduct	-232.07	
26 56 13 00-0536 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,897.80	421.45
For >10 To 20, Deduct	-63.27	
For >20 To 40, Deduct	-115.99	
For >40, Deduct	-242.53	
26 56 13 00-0537 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,224.30	163.90
For >10 To 20, Deduct	-44.06	
For >20 To 40, Deduct	-79.15	
For >40, Deduct	-167.26	
26 56 13 00-0538 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,305.22	187.31
For >10 To 20, Deduct	-46.59	
For >20 To 40, Deduct	-83.87	
For >40, Deduct	-177.05	
26 56 13 00-0539 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,386.15	210.72
For >10 To 20, Deduct	-49.12	
For >20 To 40, Deduct	-88.60	
For >40, Deduct	-186.85	
26 56 13 00-0540 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,468.17	234.14
For >10 To 20, Deduct	-51.70	
For >20 To 40, Deduct	-93.41	
For >40, Deduct	-196.81	
26 56 13 00-0541 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,554.60	257.55
For >10 To 20, Deduct	-54.46	
For >20 To 40, Deduct	-98.52	
For >40, Deduct	-207.44	
26 56 13 00-0542 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,647.64	280.96
For >10 To 20, Deduct	-57.48	
For >20 To 40, Deduct	-104.10	
For >40, Deduct	-219.05	
26 56 13 00-0543 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,797.39	327.80
For >10 To 20, Deduct	-62.06	
For >20 To 40, Deduct	-112.71	
For >40, Deduct	-236.83	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0544 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,948.25 -66.69 -121.39 -254.78	374.62
26 56 13 00-0545 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,005.45 -68.98 -125.40 -263.36	374.62
26 56 13 00-0546 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,142.47 -73.76 -134.05 -281.57	398.04
26 56 13 00-0547 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,254.20 -77.52 -140.94 -295.99	421.45
26 56 13 00-0548 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,342.51 -80.71 -146.65 -308.06	433.16
26 56 13 00-0549 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,430.82 -83.89 -152.36 -320.14	444.86
26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0513)</small>		
26 56 13 00-0551 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	603.74 -20.64 -37.58 -78.85	117.07
26 56 13 00-0552 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	648.05 -22.06 -40.21 -84.33	128.77
26 56 13 00-0553 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	691.26 -23.44 -42.77 -89.64	140.49
26 56 13 00-0554 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	709.96 -24.18 -44.08 -92.45	140.49
26 56 13 00-0555 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	764.18 -26.00 -47.41 -99.41	152.19
26 56 13 00-0556 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	809.60 -27.47 -50.12 -105.05	163.90
26 56 13 00-0557 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	858.31 -29.06 -53.06 -111.19	175.60
26 56 13 00-0558 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	912.52 -30.88 -56.38 -118.15	187.31
26 56 13 00-0559 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,018.12 -35.11 -63.78 -133.99	187.31
26 56 13 00-0560 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,147.14 -39.92 -72.34 -152.17	199.01
26 56 13 00-0561 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,276.15 -44.72 -80.90 -170.35	210.72
26 56 13 00-0562 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	704.94 -24.69 -44.66 -94.03	117.07
26 56 13 00-0563 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	754.75 -26.33 -47.68 -100.34	128.77
26 56 13 00-0564 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	804.56 -27.97 -50.70 -106.64	140.49

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	832.06	140.49
			<i>For >10 To 20, Deduct</i>	-29.07	
			<i>For >20 To 40, Deduct</i>	-52.63	
			<i>For >40, Deduct</i>	-110.76	
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	881.88	152.19
			<i>For >10 To 20, Deduct</i>	-30.71	
			<i>For >20 To 40, Deduct</i>	-55.64	
			<i>For >40, Deduct</i>	-117.06	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	931.70	163.90
			<i>For >10 To 20, Deduct</i>	-32.35	
			<i>For >20 To 40, Deduct</i>	-58.66	
			<i>For >40, Deduct</i>	-123.37	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	981.51	175.60
			<i>For >10 To 20, Deduct</i>	-33.99	
			<i>For >20 To 40, Deduct</i>	-61.68	
			<i>For >40, Deduct</i>	-129.67	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,056.62	187.31
			<i>For >10 To 20, Deduct</i>	-36.65	
			<i>For >20 To 40, Deduct</i>	-66.47	
			<i>For >40, Deduct</i>	-139.76	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,158.92	187.31
			<i>For >10 To 20, Deduct</i>	-40.74	
			<i>For >20 To 40, Deduct</i>	-73.63	
			<i>For >40, Deduct</i>	-155.11	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,285.74	199.01
			<i>For >10 To 20, Deduct</i>	-45.46	
			<i>For >20 To 40, Deduct</i>	-82.04	
			<i>For >40, Deduct</i>	-172.96	
26 56	13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,411.45	210.72
			<i>For >10 To 20, Deduct</i>	-50.14	
			<i>For >20 To 40, Deduct</i>	-90.37	
			<i>For >40, Deduct</i>	-190.65	
26 56	13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	794.04	117.07
			<i>For >10 To 20, Deduct</i>	-28.25	
			<i>For >20 To 40, Deduct</i>	-50.90	
			<i>For >40, Deduct</i>	-107.40	
26 56	13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	837.25	128.77
			<i>For >10 To 20, Deduct</i>	-29.63	
			<i>For >20 To 40, Deduct</i>	-53.46	
			<i>For >40, Deduct</i>	-112.71	
26 56	13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	879.36	140.49
			<i>For >10 To 20, Deduct</i>	-30.96	
			<i>For >20 To 40, Deduct</i>	-55.94	
			<i>For >40, Deduct</i>	-117.86	
26 56	13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	898.06	140.49
			<i>For >10 To 20, Deduct</i>	-31.71	
			<i>For >20 To 40, Deduct</i>	-57.25	
			<i>For >40, Deduct</i>	-120.66	
26 56	13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	940.18	152.19
			<i>For >10 To 20, Deduct</i>	-33.04	
			<i>For >20 To 40, Deduct</i>	-59.73	
			<i>For >40, Deduct</i>	-125.81	
26 56	13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	983.40	163.90
			<i>For >10 To 20, Deduct</i>	-34.42	
			<i>For >20 To 40, Deduct</i>	-62.28	
			<i>For >40, Deduct</i>	-131.12	
26 56	13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,064.01	175.60
			<i>For >10 To 20, Deduct</i>	-37.29	
			<i>For >20 To 40, Deduct</i>	-67.46	
			<i>For >40, Deduct</i>	-142.04	
26 56	13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,157.82	187.31
			<i>For >10 To 20, Deduct</i>	-40.69	
			<i>For >20 To 40, Deduct</i>	-73.56	
			<i>For >40, Deduct</i>	-154.94	
26 56	13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,221.62	187.31
			<i>For >10 To 20, Deduct</i>	-43.25	
			<i>For >20 To 40, Deduct</i>	-78.02	
			<i>For >40, Deduct</i>	-164.51	
26 56	13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,309.94	199.01
			<i>For >10 To 20, Deduct</i>	-46.43	
			<i>For >20 To 40, Deduct</i>	-83.74	
			<i>For >40, Deduct</i>	-176.59	
26 56	13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,398.25	210.72
			<i>For >10 To 20, Deduct</i>	-49.61	
			<i>For >20 To 40, Deduct</i>	-89.45	
			<i>For >40, Deduct</i>	-188.67	

26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)

26 56	13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56	13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56	13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56	13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles.....	78.00	
			Note: Excludes electrical outlet.		
26 56	13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles.....	98.00	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0590 Concrete Area Light Poles <small>(26 56 13 00-0177)</small>		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base <small>(26 56 13 00-0590)</small>		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,588.28	398.04
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,674.72	421.45
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,736.83	433.16
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,150.63	444.86
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,386.59	468.27
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,956.72	608.76
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,544.04	749.25
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,404.31	398.04
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,925.38	421.45
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	405.15	140.49
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,039.57	280.87
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles	157.78	57.32
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	322.38	114.63
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0590)</small>		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,683.26	187.31
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,904.19	234.14
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,104.80	280.96
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,935.62	421.45
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,381.29	444.86
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,863.01	468.27
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,484.43	608.76
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0590)</small>		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	9,530.82	1,053.62
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	11,297.89	1,266.83
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	13,441.05	1,711.34
26 56 13 00-0617 Treated Wood Area Light Poles <small>(26 56 13 00-0177)</small>		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618 Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0618)</small>		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	826.49	117.07
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	877.81	134.87
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	948.75	140.49
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,160.96	163.90
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,348.62	177.94
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,544.99	191.99
26 56 13 00-0626 Landscape Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0627 Aluminum Landscape Light Poles <small>(26 56 13 00-0626)</small>		
Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0627)</small>		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0628)</small>		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	378.85	140.49
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	684.42	187.31
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0628)</small>		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	332.78	140.49
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	638.36	187.31
26 56 13 00-0635 Steel Landscape Light Poles <small>(26 56 13 00-0626)</small>		
Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0635)</small>		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0636)</small>		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	347.54	140.49
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0636)</small>		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	332.63	140.49



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0641	Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0642	Light Pole Brackets (26 56 13 00-0641)		
26 56 13 00-0643	Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644	Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0645	Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes powdercoat finish.		
26 56 13 00-0646	EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	323.20	28.10
	For Galvanized Finish, Add	26.70	
26 56 13 00-0647	EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	403.76	28.10
	For Galvanized Finish, Add	34.76	
26 56 13 00-0648	EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	428.36	28.10
	For Galvanized Finish, Add	37.22	
26 56 13 00-0649	EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	580.15	28.10
	For Galvanized Finish, Add	52.40	
26 56 13 00-0650	EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	603.79	28.10
	For Galvanized Finish, Add	54.76	
26 56 13 00-0651	Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes satin brushed or painted finish.		
26 56 13 00-0652	EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	235.49	28.10
	For Bronze Or Satin Anodized Finish, Add	17.93	
	For Black Anodized Finish, Add	35.86	
26 56 13 00-0653	EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	292.69	28.10
	For Bronze Or Satin Anodized Finish, Add	23.65	
	For Black Anodized Finish, Add	47.30	
26 56 13 00-0654	EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	308.09	28.10
	For Bronze Or Satin Anodized Finish, Add	25.19	
	For Black Anodized Finish, Add	50.38	
26 56 13 00-0655	EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	361.99	28.10
	For Bronze Or Satin Anodized Finish, Add	30.58	
	For Black Anodized Finish, Add	61.16	
26 56 13 00-0656	EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	372.99	28.10
	For Bronze Or Satin Anodized Finish, Add	31.68	
	For Black Anodized Finish, Add	63.36	
26 56 13 00-0657	Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0658	Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657) Note: Includes powdercoat finish.		
26 56 13 00-0659	EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	346.21	28.10
	For Galvanized Finish, Add	29.00	
26 56 13 00-0660	EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	423.37	28.10
	For Galvanized Finish, Add	36.72	
26 56 13 00-0661	EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	514.00	28.10
	For Galvanized Finish, Add	45.78	
26 56 13 00-0662	EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	605.06	28.10
	For Galvanized Finish, Add	54.89	
26 56 13 00-0663	Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664	Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663) Note: Includes powdercoat finish.		
26 56 13 00-0665	EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	340.63	46.83
26 56 13 00-0666	EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	498.57	46.83
26 56 13 00-0667	EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	685.45	46.83
26 56 13 00-0668	EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	746.93	46.83
26 56 13 00-0669	Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670	Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671	Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0672	EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	207.46	42.15
26 56 13 00-0673	EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	220.96	46.83
26 56 13 00-0674	EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	258.90	58.54
26 56 13 00-0675	EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	296.64	46.83
26 56 13 00-0676	EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	334.37	58.54
26 56 13 00-0677	EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	405.38	70.24
26 56 13 00-0678	Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0679	EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	216.82	46.83
26 56 13 00-0680	EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	280.00	46.83
26 56 13 00-0681	EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	378.47	58.54
26 56 13 00-0682	EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	503.12	70.24



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0683 Area Light Arms <small>(26 56 13 00-0669)</small>		
26 56 13 00-0684 Steel Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0685 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	375.25	46.83
26 56 13 00-0686 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	574.92	51.51
26 56 13 00-0687 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	638.19	56.19
26 56 13 00-0688 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	754.25	60.87
26 56 13 00-0689 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	449.27	58.54
26 56 13 00-0690 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	629.13	63.22
26 56 13 00-0691 Aluminum Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	272.95	46.83
26 56 13 00-0693 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	335.97	58.54
26 56 13 00-0694 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	401.19	70.24
26 56 13 00-0695 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	270.75	46.83
26 56 13 00-0696 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	398.92	51.51
26 56 13 00-0697 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	331.57	58.54
26 56 13 00-0698 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	486.13	63.22
26 56 13 00-0699 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	403.39	70.24
26 56 13 00-0700 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	592.05	74.93
26 56 13 00-0701 Removal And Reinstallation Of Lighting Pole <small>(26 56 13 00-0001)</small>		
26 56 13 00-0702 EA Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'	1,545.31	
26 56 13 00-0703 High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0704 High Mast Lighting Assemblies <small>(26 56 13 00-0703)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705 EA 60'-100' High Mast Lighting Assembly	23,380.54	2,378.09
26 56 13 00-0706 EA 110' High Mast Lighting Assembly.....	25,108.28	2,611.46
26 56 13 00-0707 EA 120' High Mast Lighting Assembly.....	26,420.65	2,855.94
26 56 13 00-0708 EA 130' High Mast Lighting Assembly.....	27,631.59	3,089.31
26 56 13 00-0709 EA 140' High Mast Lighting Assembly.....	28,943.97	3,333.78
26 56 13 00-0710 EA 150' High Mast Lighting Assembly.....	30,479.49	3,572.75
26 56 13 00-0711 High Mast Light Poles <small>(26 56 13 00-0703)</small>		
26 56 13 00-0712 EA 60'-100' High Mast Light Poles	14,088.08	1,902.48
26 56 13 00-0713 EA 110' High Mast Light Poles	15,425.90	2,089.17
26 56 13 00-0714 EA 120' High Mast Light Poles	16,459.46	2,284.75
26 56 13 00-0715 EA 130' High Mast Light Poles	17,391.61	2,471.44
26 56 13 00-0716 EA 140' High Mast Light Poles	18,425.20	2,667.03
26 56 13 00-0717 EA 150' High Mast Light Poles	19,560.19	2,858.17
26 56 13 00-0718 High Mast Lighting Accessories <small>(26 56 13 00-0703)</small>		
See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719 EA Bottom Latching System.....	326.15	
26 56 13 00-0720 EA Top Latching System.....	862.91	
26 56 13 00-0721 EA Centering Springs.....	652.63	
26 56 13 00-0722 EA Electric Power Cord.....	289.92	
26 56 13 00-0723 EA Aircraft Warning Lights	682.09	
26 56 13 00-0724 EA Internal Motorized Hoist.....	5,029.45	
26 56 13 00-0725 EA Portable Hoist Motor With Step Down Transformer	5,101.65	
26 56 13 00-0726 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0727 Concrete Bases, Cast In Place <small>(26 56 13 00-0726)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0728 VLF 2' Diameter Concrete Base For Poles.....	70.50	
26 56 13 00-0729 VLF 2-1/2' Diameter Concrete Base For Poles	88.41	
26 56 13 00-0730 VLF 3' Diameter Concrete Base For Poles.....	106.66	
26 56 13 00-0731 VLF 3-1/2' Diameter Concrete Base For Poles	131.26	
26 56 13 00-0732 VLF 4' Diameter Concrete Base For Poles.....	156.36	
26 56 13 00-0733 VLF 5' Diameter Concrete Base For Poles.....	213.74	
26 56 13 00-0734 VLF 6' Diameter Concrete Base For Poles.....	282.19	
26 56 19 Roadway Lighting <small>(26 56)</small>		
26 56 19 00-0001 Metal Halide, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0002 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	588.33	188.46
26 56 19 00-0003 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	667.77	204.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0004 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	786.53	220.05
26 56 19 00-0005 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	980.99	257.90
26 56 19 00-0006 High Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0007 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	483.01	220.05
26 56 19 00-0008 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	497.10	220.05
26 56 19 00-0009 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	519.36	220.05
26 56 19 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	573.12	220.05
26 56 19 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	665.50	220.05
26 56 19 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	920.64	220.05
26 56 19 00-0013 Low Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	566.75	119.71
26 56 19 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	568.89	176.05
26 56 19 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	679.58	176.05
26 56 19 00-0017 Street Light Accessories <small>(26 56 19)</small>		
26 56 19 00-0018 Photo Controls <small>(26 56 19 00-0017)</small>		
26 56 19 00-0019 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	63.51	
26 56 19 00-0020 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	71.82	
26 56 19 00-0021 High Mast Fixtures <small>(26 56 19)</small>		
26 56 19 00-0022 Metal Halide <small>(26 56 19 00-0021)</small>		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,021.57	115.57
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,089.21	115.57
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,090.89	132.03
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,131.48	132.03
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,155.18	165.04
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,195.77	165.04
26 56 19 00-0029 High Pressure Sodium <small>(26 56 19 00-0021)</small>		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,060.87	115.57
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,101.46	115.57
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,278.09	122.17
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,311.60	132.03
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,396.18	165.04
26 56 19 00-0035 LED Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0036)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPL Series)	842.96	112.02
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,286.11	115.05
26 56 19 00-0040 LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0040)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,196.44	105.97
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,945.17	108.99
26 56 19 00-0044 LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0045 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0044)</small>		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0046 EA 20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	660.99	102.93
26 56 19 00-0047 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	745.83	105.97
26 56 19 00-0048 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	845.96	108.99



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0049	EA		50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	929.64	112.02
26 56 19 00-0050	EA		60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,014.48	115.05
26 56 19 00-0051	EA		70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,216.92	118.07
26 56 19 00-0052	EA		80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,300.61	121.10
26 56 19 00-0053	EA		90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,385.45	124.13
26 56 19 00-0054	EA		100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,547.91	127.16
26 56 19 00-0055	EA		110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,632.76	130.19
26 56 19 00-0056	EA		120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,717.60	133.21
26 56 19 00-0057			Horizontal Tenon Mount, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLM™) (26 56 19 00-0044) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058	EA		20 LEDs, 38 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	629.24	102.93
26 56 19 00-0059	EA		30 LEDs, 55 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	712.91	105.97
26 56 19 00-0060	EA		40 LEDs, 70 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	814.21	108.99
26 56 19 00-0061	EA		50 LEDs, 88 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	899.06	112.02
26 56 19 00-0062	EA		60 LEDs, 106 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	982.73	115.05
26 56 19 00-0063			Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLMIP66™) (26 56 19 00-0044) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		20 LEDs, 38 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	669.22	102.93
26 56 19 00-0065	EA		30 LEDs, 55 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	752.89	105.97
26 56 19 00-0066	EA		40 LEDs, 70 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	853.02	108.99
26 56 19 00-0067	EA		50 LEDs, 88 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	937.87	112.02
26 56 19 00-0068	EA		60 LEDs, 106 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	1,022.71	115.05
26 56 19 00-0069			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) (26 56 19 00-0044) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0070	EA		2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPRAO2MG-US).....	387.75	108.99
			For Utility Label And NEMA Photocell Receptacle, Add	40.73	
26 56 19 00-0071	EA		4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPRAO2MC-US).....	406.62	108.99
			For Utility Label And NEMA Photocell Receptacle, Add	40.73	
			For Dimming, Add	28.30	
26 56 19 00-0072	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSPAO2GA-US).....	468.26	108.99
			For Field Adjustable Output, Add	20.36	
			For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
			For 480 V, Add	55.00	
26 56 19 00-0073	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSPAO2NA-US).....	468.26	108.99
			For Field Adjustable Output, Add	20.36	
			For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
			For 480 V, Add	55.00	
26 56 19 00-0074	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSPAO2HA-US).....	594.04	108.99
			For Field Adjustable Output, Add	20.36	
			For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
			For 480 V, Add	55.00	
26 56 19 00-0075	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSPAO2PA-US).....	594.04	108.99
			For Field Adjustable Output, Add	20.36	
			For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
			For 480 V, Add	55.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0076 EA 13,290 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSPA03HL-US).....	719.39	108.99
For Field Adjustable Output, Add	20.36	
For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
26 56 19 00-0077 EA 4,325 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ IP66 BXSPA2PGA-US).....	505.57	108.99
For Field Adjustable Output, Add	20.36	
For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
For 480 V, Add	55.00	
26 56 19 00-0078 EA 8,651 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ IP66 BXSPA2PHA-US).....	741.84	108.99
For Field Adjustable Output, Add	20.36	
For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add	40.73	
For 480 V, Add	55.00	
26 56 19 00-0079 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small>		
Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0080 EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,331.65	108.99
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0081 EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,540.15	115.05
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0082 EA 80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,747.49	121.10
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0083 EA 100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,955.98	127.16
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0084 EA 120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,579.61	133.21
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0085 EA 140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,788.12	139.26
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0086 EA 160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,995.44	145.33
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0087 EA 200 LEDs, 234 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,725.27	157.43
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0088 EA 240 LEDs, 269 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,130.15	163.49
For Multi-Level Drive Currents, Add	164.64	
26 56 19 00-0089 LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0090 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0089)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0091 EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	556.53	108.99
26 56 19 00-0092 EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	741.06	121.10
26 56 19 00-0093 EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	799.56	139.26
26 56 19 00-0094 EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,161.82	151.38
26 56 19 00-0095 EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,510.70	172.34
26 56 19 00-0096 LED Roadway Lighting (PlanLED HERA) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0097 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED HERA) <small>(26 56 19 00-0096)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0098 EA 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 85W).....	771.94	105.97
26 56 19 00-0099 EA 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 110W).....	811.94	107.13
26 56 19 00-0100 EA 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 150W).....	854.36	108.99
26 56 19 00-0101 LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0102 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0101)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0103 EA 3,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1).....	706.60	121.10
26 56 19 00-0104 EA 4,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1).....	766.94	121.10
26 56 19 00-0105 EA 8,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2).....	986.13	121.10
26 56 19 00-0106 LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0035)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0107 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0106)</small>		
Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0108 EA 4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	855.08	121.10
26 56 19 00-0109 EA 9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	1,084.91	121.10
26 56 19 00-0110 EA 12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2)	1,146.63	121.10
26 56 19 00-0111 Induction Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0112 Induction Roadway Lighting (Crystal Lighting) <small>(26 56 19 00-0111)</small>		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and borosilicate drop glass lens.		
26 56 19 00-0113 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	491.14	139.73
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0114 EA 65 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	525.05	144.39
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0115 EA 80 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	548.27	149.05
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0116 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	576.84	153.70
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0117 EA 120 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	722.99	158.36
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0118 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	738.72	163.02
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0119 EA 200 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	769.42	167.68
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0120 Induction Roadway Lighting (US Lighting Tech) <small>(26 56 19 00-0111)</small>		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0121 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	552.08	139.73
26 56 19 00-0122 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	614.86	144.39
26 56 19 00-0123 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	633.50	153.70
26 56 19 00-0124 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	652.12	163.02
26 56 19 00-0125 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	784.39	167.68
26 56 19 00-0126 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	797.97	172.34
26 56 19 00-0127 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	507.18	139.73
26 56 19 00-0128 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	576.37	144.39
26 56 19 00-0129 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	595.01	153.70
26 56 19 00-0130 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	613.63	163.02
26 56 23 Area Lighting <small>(26 56)</small>		
26 56 23 00-0001 Exterior Globe <small>(26 56 23)</small>		
26 56 23 00-0002 Incandescent <small>(26 56 23 00-0001)</small>		
26 56 23 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	47.71	15.04
26 56 23 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	80.24	15.04
26 56 23 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	59.04	15.04
26 56 23 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	84.60	15.04
26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 23)</small>		
26 56 23 00-0008 Metal Halide <small>(26 56 23 00-0007)</small>		
26 56 23 00-0009 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	544.60	176.05
26 56 23 00-0010 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	628.17	198.05
26 56 23 00-0011 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	764.15	220.05
26 56 23 00-0012 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	960.19	257.90
26 56 23 00-0013 High Pressure Sodium <small>(26 56 23 00-0007)</small>		
26 56 23 00-0014 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	538.16	150.52
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	587.68	160.20
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	638.62	169.01
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	659.20	176.05
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	735.21	198.05
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	798.24	220.05
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,069.00	257.90
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0022	High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
	Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023	EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	520.95	118.83
26 56 23 00-0024	EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	540.95	132.03
26 56 23 00-0025	EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	488.22	150.52
26 56 23 00-0026	EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	594.37	160.20
26 56 23 00-0027	EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	612.94	169.01
26 56 23 00-0028	EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	642.14	176.05
26 56 23 00-0029	EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	702.17	198.05
26 56 23 00-0030	EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	854.91	220.05
26 56 23 00-0031	Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
	Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032	EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	473.98	132.03
26 56 23 00-0033	EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	510.14	150.52
26 56 23 00-0034	EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	526.68	160.20
26 56 23 00-0035	EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	552.46	169.01
26 56 23 00-0036	EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	565.19	176.05
26 56 23 00-0037	EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	615.26	198.05
26 56 23 00-0038	EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	765.03	220.05
26 56 23 00-0039	Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
	Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040	EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	159.69	60.14
26 56 23 00-0041	EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	167.24	63.90
26 56 23 00-0042	EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	182.44	67.66
26 56 23 00-0043	EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	188.01	75.17
26 56 23 00-0044	EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	211.52	86.44
26 56 23 00-0045	Wall Packs <small>(26 56 23)</small>		
26 56 23 00-0046	Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
	Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047	EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	211.90	41.11
26 56 23 00-0048	EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	224.91	41.11
26 56 23 00-0049	EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	224.91	41.11
26 56 23 00-0050	EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	287.99	41.11
26 56 23 00-0051	Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
	Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	389.80	41.11
26 56 23 00-0053	EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	394.48	41.11
26 56 23 00-0054	EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	398.53	41.11
26 56 23 00-0055	EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	391.15	41.11
26 56 23 00-0056	EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	360.79	41.11
26 56 23 00-0057	EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	344.12	41.11
26 56 23 00-0058	Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
	Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	409.01	41.11
26 56 23 00-0060	EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	413.27	41.11
26 56 23 00-0061	EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	405.90	41.11
26 56 23 00-0062	EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	411.84	41.11
26 56 23 00-0063	EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	411.84	41.11
26 56 23 00-0064	Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
	Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065	EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	401.07	54.76
26 56 23 00-0066	EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	401.07	54.76
26 56 23 00-0067	EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	378.22	54.76
26 56 23 00-0068	EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.98	54.76
26 56 23 00-0069	EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.98	54.76
26 56 23 00-0070	EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	361.65	54.76
26 56 23 00-0071	Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
	Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072	EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	414.61	54.76
26 56 23 00-0073	EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	414.61	54.76
26 56 23 00-0074	EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	414.61	54.76
26 56 23 00-0075	EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	523.95	54.76
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	505.04	67.83
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	536.01	67.83
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	572.94	67.83
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	583.10	67.83
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	544.88	67.83
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	579.67	67.83
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0045) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	516.95	82.23
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	480.09	82.23
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	508.42	82.23
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	511.24	82.23
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	514.20	82.23
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	516.96	82.23
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	529.26	82.23
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	566.12	82.23
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	541.55	82.23
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	553.85	82.23
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	578.40	82.23
26 56 23 00-0101 Full Cutoff, LED Wall Packs (26 56 23 00-0045)		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0101)		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	950.95	81.51
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,036.48	81.51
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0101)		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0105) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	699.32	79.18
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	905.03	83.84
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,110.74	88.49
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,315.27	93.15
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,568.02	97.81
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,726.68	102.48
26 56 23 00-0113 Wall Pack Accessories (26 56 23 00-0045)		
26 56 23 00-0114 EA Photocell For Wall Pack.....	78.79	20.56
26 56 23 00-0115 EA Wire Guard For Mini And Small Wall Pack	86.66	20.56
26 56 23 00-0116 EA Wire Guard For Medium And Large Wall Pack.....	119.60	20.56
26 56 23 00-0117 EA Vandal Guard For Wall Pack	167.14	20.56
26 56 23 00-0118 EA Full Cutoff Visor For Wall Pack.....	84.52	20.56
26 56 23 00-0119 LED Area Fixtures (26 56 23)		
26 56 23 00-0120 Pole Mount, LED Area Fixtures (26 56 23 00-0119)		
26 56 23 00-0121 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 23 00-0120) Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0122	EA		20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,828.84	79.18
26 56 23 00-0123	EA		40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,971.80	83.84
26 56 23 00-0124	EA		80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,124.07	93.15
26 56 23 00-0125	EA		100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,133.39	97.81
26 56 23 00-0126			Pole Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABP) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0127	EA		20 LEDs, 39 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP).....	1,350.82	79.18
			<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
			<i>For 347 To 480 Volt, Add</i>	71.74	
26 56 23 00-0128	EA		40 LEDs, 70 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP).....	1,830.54	83.84
			<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
			<i>For 347 To 480 Volt, Add</i>	71.74	
26 56 23 00-0129	EA		60 LEDs, 103 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP).....	2,310.26	88.49
			<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
			<i>For 347 To 480 Volt, Add</i>	71.74	
26 56 23 00-0130			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0131	EA		40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	983.82	83.84
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	254.92	
26 56 23 00-0132	EA		60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,188.36	88.49
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	257.72	
26 56 23 00-0133	EA		80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,472.85	93.15
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	260.51	
26 56 23 00-0134	EA		100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,677.39	97.81
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	263.31	
26 56 23 00-0135	EA		120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,883.09	102.48
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	266.10	
26 56 23 00-0136	EA		140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,151.13	107.13
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	268.90	
26 56 23 00-0137	EA		160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,356.83	111.79
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	271.69	
26 56 23 00-0138	EA		200 LEDs, 221 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,767.08	121.10
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	277.28	
26 56 23 00-0139	EA		240 LEDs, 264 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	3,168.00	125.76
			<i>For Backlight Shielding, Add</i>	16.46	
			<i>For 480 Volt, Add</i>	71.74	
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
			<i>For Post Top Mount, Add</i>	280.08	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0140 Arm Mount, Round, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0141 EA 40 LEDs, 47 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,124.94	83.84
For Backlight Shielding, Add	16.46	
For 480 Volt, Add	71.74	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	254.92	
26 56 23 00-0142 EA 60 LEDs, 68 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,329.48	88.49
For Backlight Shielding, Add	16.46	
For 480 Volt, Add	71.74	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	257.72	
26 56 23 00-0143 EA 80 LEDs, 90 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,535.18	93.15
For Backlight Shielding, Add	16.46	
For 480 Volt, Add	71.74	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	260.51	
26 56 23 00-0144 EA 100 LEDs, 111 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,740.89	97.81
For Backlight Shielding, Add	16.46	
For 480 Volt, Add	71.74	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	263.31	
26 56 23 00-0145 EA 120 LEDs, 132 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,945.42	102.48
For Backlight Shielding, Add	16.46	
For 480 Volt, Add	71.74	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	266.10	
26 56 23 00-0146 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0147 EA 120 LEDs, 279 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,693.76	102.48
For 480 Volt, Add	71.74	
26 56 23 00-0148 EA 240 LEDs, 557 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,837.54	125.76
For 480 Volt, Add	71.74	
26 56 23 00-0149 Wall Mount, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0150 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0149)</small> Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0151 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	801.16	79.18
26 56 23 00-0152 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	819.80	88.49
26 56 23 00-0153 Wall Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABR) <small>(26 56 23 00-0149)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0154 EA 20 LEDs, 39 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	1,303.78	79.18
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0155 EA 40 LEDs, 70 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	1,792.82	88.49
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0156 EA 60 LEDs, 103 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	2,263.22	88.49
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0157 Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0158 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0157)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0159 EA 20 LEDs, 26 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	660.51	79.18
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0160 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	866.22	83.84
For Multi-Level Drive Currents, Add	164.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0161 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,070.76	88.49
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0162 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,276.64	93.15
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0163 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,482.17	97.81
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0164 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0157)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0165 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	834.47	83.84
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0166 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	922.58	88.49
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0167 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0157)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0168 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	515.14	83.84
26 56 23 00-0169 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0157)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0170 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,015.49	88.49
26 56 23 00-0171 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,034.12	97.81
26 56 23 00-0172 Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0173 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0172)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0174 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,007.34	83.84
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0175 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,211.88	88.49
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0176 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,417.58	93.15
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0177 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,623.29	97.81
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0178 EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,827.82	102.48
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0179 EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,112.32	107.13
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0180 EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,316.85	111.79
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0181 EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,728.27	121.10
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0182 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,129.19	125.76
<i>For Multi-Level Drive Currents, Add</i>	<i>164.64</i>	
26 56 23 00-0183 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0172)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0184 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	587.23	93.15



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0185 Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0186 Recessed Mount, Rectangular, LED Soffit Fixtures (CREE® BetaLED® SFT-227) <small>(26 56 23 00-0185)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0187 EA 30 LEDs, 36 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	835.69	81.51
26 56 23 00-0188 EA 60 LEDs, 68 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,093.10	88.49
26 56 23 00-0189 EA 90 LEDs, 101 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,444.59	95.48
26 56 23 00-0190 EA 120 LEDs, 139 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,669.06	102.48
26 56 23 00-0191 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0185)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0192 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	849.76	83.84
26 56 23 00-0193 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	936.70	88.49
26 56 23 00-0194 Surface Mount, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0195 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0194)</small>		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0196 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	605.71	83.84
26 56 23 00-0197 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	751.02	83.84
26 56 23 00-0198 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	637.69	93.15
26 56 23 00-0199 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	776.98	93.15
26 56 23 00-0200 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0194)</small>		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0201 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	197.08	29.60
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0202 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	228.42	29.60
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0203 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	288.12	29.60
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0204 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0205 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0204)</small>		
26 56 23 00-0206 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	381.36	34.58
26 56 23 00-0207 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	610.93	31.57
26 56 23 00-0208 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	775.06	26.31
26 56 23 00-0209 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	939.18	21.04
26 56 23 00-0210 Post Top, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0211 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0210)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0212 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,099.83	128.08
26 56 23 00-0213 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,207.47	128.08
26 56 23 00-0214 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,292.57	128.08
26 56 23 00-0215 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0210)</small>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0216 EA 2,400 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,142.40	128.08
26 56 23 00-0217 EA 4,600 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,223.34	128.08

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0218 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0210)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0219 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,806.39	128.08
26 56 23 00-0220 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0210)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0123 for disposal of hazardous lamps.		
26 56 23 00-0221 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	556.68	
26 56 23 00-0222 Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0223 Post Top, Induction Area Fixtures <small>(26 56 23 00-0222)</small>		
26 56 23 00-0224 Post Top, Induction Area Fixtures (Crystal Lighting) <small>(26 56 23 00-0223)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and acrylic lens.		
26 56 23 00-0225 EA 65 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	619.68	128.08
26 56 23 00-0226 EA 80 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	682.75	128.08
26 56 23 00-0227 Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0223)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0228 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	642.13	128.08
26 56 23 00-0229 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	704.14	128.08
26 56 23 00-0230 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	704.14	128.08
26 56 23 00-0231 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	704.14	128.08
26 56 23 00-0232 Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0222)</small>		
26 56 23 00-0233 Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0232)</small>		
26 56 23 00-0234 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	567.78	116.45
26 56 23 00-0235 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	608.79	118.77
26 56 23 00-0236 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	617.72	121.10
26 56 23 00-0237 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	626.65	123.43
26 56 23 00-0238 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	635.59	125.76
26 56 23 00-0239 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	648.80	128.08
26 56 23 00-0240 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	679.73	121.10
26 56 23 00-0241 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	688.66	123.43
26 56 23 00-0242 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	697.60	125.76
26 56 23 00-0243 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	728.98	128.08
26 56 23 00-0244 Metal Halide Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0245 Pole Mount, Metal Halide Area Fixtures <small>(26 56 23 00-0244)</small> Note: Includes pulse start ballast.		
26 56 23 00-0246 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	624.38	117.07
26 56 23 00-0247 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	687.97	128.77
26 56 23 00-0248 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	757.77	140.49
26 56 23 00-0249 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	807.10	163.90
26 56 23 00-0250 High Pressure Sodium Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0251 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 23 00-0250)</small>		
26 56 23 00-0252 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	518.56	93.65
26 56 23 00-0253 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	573.53	117.07
26 56 23 00-0254 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	627.49	140.49
26 56 23 00-0255 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	672.91	163.90
26 56 26 Landscape Lighting <small>(26 56)</small>		
26 56 26 00-0001 Bollards <small>(26 56 26)</small> Note: Excludes concrete base.		
26 56 26 00-0002 Aluminum Architectural Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0003)</small>		
26 56 26 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	805.08	69.89
26 56 26 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	813.29	74.01
26 56 26 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	821.52	78.12



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0079			Round, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 56 26 00-0065)</small>		
26 56 26 00-0080	EA		24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0081	EA		30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0082	EA		36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0083	EA		42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0084	EA		24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0085	EA		30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0086	EA		36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0087	EA		42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0088	EA		24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0089	EA		30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0090	EA		36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0091	EA		42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0092			LED, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0093			Square, LED, Aluminum Architectural Bollards <small>(26 56 26 00-0092)</small>		
26 56 26 00-0094	EA		24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	952.92	69.89
26 56 26 00-0095	EA		30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	961.13	74.01
26 56 26 00-0096	EA		36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	969.36	78.12
26 56 26 00-0097	EA		42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	914.75	82.23
26 56 26 00-0098	EA		24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,155.65	69.89
26 56 26 00-0099	EA		30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,163.86	74.01
26 56 26 00-0100	EA		36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,172.09	78.12
26 56 26 00-0101	EA		42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,116.47	82.23
26 56 26 00-0102			Round, LED, Aluminum Architectural Bollards <small>(26 56 26 00-0092)</small>		
26 56 26 00-0103	EA		24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	922.68	69.89
26 56 26 00-0104	EA		30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	930.89	74.01
26 56 26 00-0105	EA		36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	939.12	78.12
26 56 26 00-0106	EA		42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	883.50	82.23
26 56 26 00-0107	EA		24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,125.41	69.89
26 56 26 00-0108	EA		30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,133.62	74.01
26 56 26 00-0109	EA		36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,141.85	78.12
26 56 26 00-0110	EA		42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,086.58	82.23
26 56 26 00-0111			Reinforced Concrete Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	867.56	205.56
26 56 26 00-0113	EA		58" Overall Height, 18" Diameter, HID Light, Reinforced Concrete Bollard.....	1,418.71	274.06
26 56 26 00-0114			Low Voltage <small>(26 56 26)</small>		
26 56 26 00-0115	EA		Low Voltage Recessed Uplight.....	646.00	149.65
26 56 26 00-0116	EA		Low Voltage Walkway.....	477.04	82.23
26 56 26 00-0117	EA		Low Voltage Malibu - 5 Light Set.....	446.89	109.77
26 56 26 00-0118	EA		Low Voltage Mushroom 24" Pier.....	397.47	82.23
26 56 26 00-0119			Recessed, Adjustable <small>(26 56 26)</small>		
26 56 26 00-0120	EA		150 Watt Incandescent Recessed, Adjustable.....	791.67	131.56
26 56 26 00-0121	EA		300 Watt Incandescent Recessed, Adjustable.....	876.92	131.56
26 56 26 00-0122			Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123	EA		50 Watt Incandescent Recessed Uplight.....	695.05	131.56
26 56 26 00-0124	EA		150 Watt Incandescent Recessed Uplight.....	712.10	131.56
26 56 26 00-0125	EA		300 Watt Incandescent Recessed Uplight.....	763.25	131.56
26 56 26 00-0126	EA		500 Watt Quartz Recessed Uplight.....	757.56	131.56
26 56 26 00-0127	EA		5 Watt LED Recessed Uplight.....	633.07	131.56
26 56 26 00-0128	EA		15 Watt LED Recessed Uplight.....	689.53	131.56
26 56 26 00-0129			Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	346.32	82.23
26 56 26 00-0131	EA		100 Watt Fluorescent Recessed Wall Light.....	329.27	82.23
26 56 26 00-0132	EA		100 Watt H.I.D. Recessed Wall Light.....	554.88	109.77
26 56 26 00-0133			Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134	EA		Incandescent Step Light.....	284.97	65.78
26 56 26 00-0135	EA		Fluorescent Step Light.....	341.85	65.78
26 56 26 00-0136	EA		5 Watt LED Step Light.....	344.24	65.78
26 56 26 00-0137	EA		15 Watt LED Step Light.....	404.47	65.78



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0138 Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights	628.76	109.77
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights	645.81	109.77
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights	783.58	164.45
26 56 26 00-0142 Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights	547.00	54.68
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights	615.20	54.68
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights	1,556.91	82.23
26 56 26 00-0146 EA 50 Watt, 12 V Underwater Lights	575.42	54.68
26 56 26 00-0147 EA 300 Watt, 12 V Underwater Lights	654.99	54.68
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,695.61	123.34
26 56 33 Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001 Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture	357.80	76.47
26 56 33 00-0003 Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	548.21	120.21
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	583.73	124.57
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	635.40	129.34
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	678.82	139.79
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	599.51	129.34
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	617.25	120.21
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	626.81	124.57
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	512.25	85.68
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	548.14	85.68
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	584.03	85.68
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	659.58	96.45
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture	494.92	76.96
26 56 33 00-0016 High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	480.88	120.21
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	510.54	124.57
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	552.97	129.34
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	591.51	139.79
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	524.93	129.34
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	534.82	120.21
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	544.20	124.57
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	437.67	85.68
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	465.71	85.68
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	493.75	85.68
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	557.52	96.45
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	420.34	76.96
26 56 33 00-0029 Walkway, Adjustable <small>(26 56 33)</small>		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	520.57	109.77
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	538.27	109.77
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	954.54	164.45
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	447.76	82.23
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	471.37	82.23
26 56 33 00-0035 LED Walkway <small>(26 56 33)</small>		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 56 33 00-0035)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	693.24	63.14
For Multi-Level Drive Currents, Add	164.64	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	716.76	63.14
For Multi-Level Drive Currents, Add	164.64	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	756.74	63.14
For Multi-Level Drive Currents, Add	164.64	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	787.32	63.14
For Multi-Level Drive Currents, Add	164.64	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	904.41	81.19
For Multi-Level Drive Currents, Add	164.64	
26 56 36 Flood Lighting <small>(26 56)</small>		
26 56 36 00-0001 General Electric Powerflood® Flood Lights <small>(26 56 36)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 00-0002		MPF (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003		High Pressure Sodium MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	224.09	70.24
26 56 36 00-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	225.76	70.24
26 56 36 00-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	228.54	70.24
26 56 36 00-0007		Metal Halide MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	290.40	70.24
26 56 36 00-0009		P-154 (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010		High Pressure Sodium P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	427.51	93.65
26 56 36 00-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	429.74	93.65
26 56 36 00-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	433.64	93.65
26 56 36 00-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	477.66	93.65
26 56 36 00-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	490.48	93.65
26 56 36 00-0016		Metal Halide P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	423.61	93.65
26 56 36 00-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	443.11	93.65
26 56 36 00-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	453.14	93.65
26 56 36 00-0020		PF-154 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021		High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	441.44	105.36
26 56 36 00-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	444.23	105.36
26 56 36 00-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	448.69	105.36
26 56 36 00-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	492.16	105.36
26 56 36 00-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	504.42	105.36
26 56 36 00-0027		Metal Halide PF-154 GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	438.10	105.36
26 56 36 00-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	457.05	105.36
26 56 36 00-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	467.08	105.36
26 56 36 00-0031		PF-400 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032		High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	572.96	105.36
26 56 36 00-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	611.98	105.36
26 56 36 00-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	609.19	105.36
26 56 36 00-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	623.12	105.36
26 56 36 00-0037		Metal Halide PF-400 GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	587.45	105.36
26 56 36 00-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	599.16	105.36
26 56 36 00-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	611.42	105.36
26 56 36 00-0041		PF-1000 (Large Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042		High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	763.02	117.07
26 56 36 00-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	763.02	117.07
26 56 36 00-0045		Metal Halide PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	730.69	117.07
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	626.47	105.36
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	637.05	105.36
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	632.60	105.36
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	110.92	23.41
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	69.68	23.41
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	95.32	23.41
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	75.81	23.41
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	197.33	70.24
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	81.94	23.41
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	155.54	70.24
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	160.55	70.24
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	64.66	23.41
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	62.99	23.41
26 56 36 00-0064 Lithonia Contour Series Flood Lights (26 56 36)		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	397.84	93.65
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	430.01	93.65
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	461.52	93.65
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	500.85	93.65
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	493.10	93.65
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	480.62	93.65
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	479.69	93.65
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	497.64	93.65
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	588.93	105.36
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	599.66	105.36
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	564.81	105.36
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	564.81	105.36
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	581.64	105.36
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	560.17	93.65
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	576.23	93.65
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	589.65	93.65
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	554.79	93.65
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	570.88	93.65
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,052.12	117.07
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	824.15	117.07
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	904.61	117.07
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light	97.40	23.41
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	176.37	23.41
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	82.50	23.41
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	106.63	23.41
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	247.75	70.24
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	205.05	70.24
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	205.05	70.24
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	222.08	70.24
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	93.73	23.41
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	77.37	23.41
26 56 36 00-0110 Ruud Flood Lights (26 56 36)		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	266.44	70.24
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	266.44	70.24
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	266.44	70.24
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	266.44	70.24
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	266.44	70.24
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	297.65	70.24
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	297.65	70.24
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	297.65	70.24
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	234.12	70.24
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	241.92	70.24
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	244.15	70.24
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	246.38	70.24
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0110) Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	409.12	105.36
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	429.18	105.36
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	440.33	105.36
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	404.66	105.36
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	406.89	105.36
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	413.58	105.36
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	396.86	105.36
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights (26 56 36 00-0110) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	468.19	105.36
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	470.42	105.36
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	763.58	117.07
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	468.19	105.36
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	470.42	105.36
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	477.11	105.36
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	690.01	117.07
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	373.45	93.65
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	396.85	93.65
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	396.85	93.65
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	396.85	93.65
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	396.85	93.65
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	404.66	93.65
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	404.66	93.65
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	404.66	93.65
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	392.40	93.65
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	401.31	93.65
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	424.72	93.65
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	424.72	93.65
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	424.72	93.65
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	424.72	93.65
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	432.52	93.65
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	432.52	93.65
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	432.52	93.65
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	420.26	93.65
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	520.58	105.36
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	531.72	105.36
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	791.44	117.07
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	496.06	105.36
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	498.29	105.36
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	504.97	105.36
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	717.88	117.07
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	662.15	117.07
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	778.06	117.07
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	635.40	117.07
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	704.50	117.07



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 00-0189		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190		High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0191	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	536.18	105.36
26 56 36 00-0192	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	547.33	105.36
26 56 36 00-0193		Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0194	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	511.66	105.36
26 56 36 00-0195	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	513.89	105.36
26 56 36 00-0196	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	520.58	105.36
26 56 36 00-0197	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	733.48	117.07
26 56 36 00-0198		Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>		
26 56 36 00-0199	EA	Wireguard For Ruud Flood Light.....	63.55	23.41
26 56 36 00-0200	EA	Deep Baffle (Full Visor) For Ruud Flood Light.....	93.64	23.41
26 56 36 00-0201	EA	Glare Guard (Upper Visor) For Ruud Flood Light.....	71.35	23.41
26 56 36 00-0202	EA	Vandal Shield For Ruud Flood Light.....	82.50	23.41
26 56 36 00-0203	EA	Pipe Mounting Bracket For Ruud Flood Light.....	178.39	70.24
26 56 36 00-0204	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	56.86	23.41
26 56 36 00-0205		Lumark Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0206		QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	163.28	70.24
26 56 36 00-0208		LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209	EA	1,500 Watt LQL Series Quartz Lumark Flood Light.....	196.16	70.24
26 56 36 00-0210		Kim Lighting <small>(26 56 36)</small>		
26 56 36 00-0211		MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212		LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>		
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	277.06	28.82
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	338.90	28.82
26 56 36 00-0215		Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216		LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small> Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	414.97	28.82
26 56 36 00-0218		CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	896.80	83.84
26 56 36 00-0221	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	984.91	88.49
26 56 36 00-0222		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	778.11	79.18
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0224	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	983.82	83.84
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0225	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,188.36	88.49
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0226	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,472.85	93.15
		<i>For 480 Volt, Add</i>	71.74	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0227	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,677.39	97.81
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0228	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,883.09	102.48
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0229	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,151.13	107.13
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0230	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,356.83	111.79
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0231	EA		200 LEDs, 221 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,767.08	121.10
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0232	EA		240 LEDs, 264 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,168.00	125.76
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0233			Adjustable Arm Mount, Round, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDR) (26 56 36 00-0218)		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234	EA		40 LEDs, 47 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,124.94	83.84
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0235	EA		60 LEDs, 68 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,329.48	88.49
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0236	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,465.80	93.15
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0237	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,740.89	97.81
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0238	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,945.42	102.48
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0239			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 56 36 00-0218)		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0240	EA		120 LEDs, 279 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,946.60	102.48
			<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0241	EA		240 LEDs, 557 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,963.38	125.76
			<i>For 480 Volt, Add</i>	71.74	
26 56 68 Exterior Athletic Lighting (26 56)					
26 56 68 00-0001			Sports Lighting System (26 56 68)		
			Note: Musco.		
26 56 68 00-0002			Round Steel Tapered Poles (26 56 68 00-0001)		
			Note: With Internal wiring harness.		
26 56 68 00-0003	EA		20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	1,818.60	449.55
26 56 68 00-0004	EA		25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,190.53	543.20
26 56 68 00-0005	EA		30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,447.35	590.03
26 56 68 00-0006	EA		35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,645.46	613.44
26 56 68 00-0007	EA		40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,190.15	636.85
26 56 68 00-0008	EA		45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,706.19	777.34
26 56 68 00-0009	EA		50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,971.97	824.16
26 56 68 00-0010	EA		55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,512.29	936.55
26 56 68 00-0011	EA		60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,113.62	1,053.62
26 56 68 00-0012	EA		65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,594.63	1,133.48
26 56 68 00-0013	EA		70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,131.00	1,266.83
26 56 68 00-0014	EA		75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,723.27	1,422.42
26 56 68 00-0015	EA		80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,651.10	1,711.34
26 56 68 00-0016			Steel Pole Brackets (26 56 68 00-0001)		
26 56 68 00-0017	EA		Two Light Bracket.....	343.48	46.83
26 56 68 00-0018	EA		Three Light Bracket.....	433.20	65.56
26 56 68 00-0019	EA		Four Light Bracket.....	621.10	79.61
26 56 68 00-0020	EA		Five Light Bracket.....	708.94	93.65
26 56 68 00-0021	EA		Six Light Bracket.....	858.67	107.71
26 56 68 00-0022	EA		Seven Light Bracket.....	983.14	121.75
26 56 68 00-0023	EA		Eight Light Bracket.....	1,123.46	140.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 68 00-0024 EA Nine Light Bracket.....	1,268.57	154.53
26 56 68 00-0025 Light Fixtures <small>(26 56 68 00-0001)</small>		
26 56 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug..... <i>For 1,500 Watt Metal Halide Lamp, Add</i>	1,310.12 7.46	
26 56 68 00-0027 Electrical Component Enclosure <small>(26 56 68 00-0001)</small>		
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	520.23	53.45
26 56 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	781.71	82.23
26 56 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	895.96	102.78
26 56 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	1,156.12	115.12
26 56 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	1,297.93	123.34
26 56 68 00-0033 Accessories <small>(26 56 68 00-0001)</small>		
26 56 68 00-0034 EA Time Delay Kit (Musco®).....	587.42	164.73
26 56 68 00-0035 EA Remote Switch Box Push Button (Musco®).....	1,103.37	164.73
26 56 68 00-0036 EA Push Button Strobe Kit (Musco®).....	1,309.75	164.73
26 56 68 00-0037 EA Additional Control-Link Unit (Musco®).....	6,147.80	494.18
26 56 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	680.39	82.23
26 56 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	844.84	164.45

END OF SECTION 26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels where the number of terminations is not known.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	Lucent 489ACA1-025, 25 Pair Protector Panel, Including Terminations.....	557.33	84.17
27 05 26 00-0002	EA	Lucent 489ACA1-050, 50 Pair Protector Panel, Including Terminations.....	719.98	112.26
27 05 26 00-0003	EA	Lucent 489ACA1-100, 100 Pair Protector Panel, Including Terminations.....	1,067.30	168.35
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	6.76	1.23
27 05 26 00-0005	EA	ITE #ECGK Copper Ground Bus Bar.....	64.76	22.24
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	153.23	22.24
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	181.28	22.24
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap	41.04	4.12
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug	15.87	4.12
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug	16.80	4.12
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block	18.36	4.12

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 33 Conduits And Backboxes For Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways For Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 10 Structured Cabling ⁽²⁷⁾

27 11 Communications Equipment Room Fittings ^(27 10)

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards ^(27 11 16)

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	62.39	21.38
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	37.35
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	124.76	42.76
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	74.70

27 11 16 00-0004 Terminal Cabinets ^(27 11 16)

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	221.61	61.67
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	276.06	67.83
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	317.67	78.12
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	329.50	80.17
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	396.81	82.23
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	487.66	92.50
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	497.57	90.44
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	643.96	128.85
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	690.35	141.59
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	825.72	149.57
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	681.90	123.34
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	737.54	133.61
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	921.34	171.28
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,109.60	214.11
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,246.24	211.73
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,437.01	257.61
27 11 16 00-0021	EA	19" x 84" Equipment Rack With Base And Two Sides.....	1,613.50	205.56

27 11 16 00-0022 Racks ^(27 11 16)

27 11 16 00-0023	EA	19" x 84" Equipment Rack, Modular Networking Frame	271.10	41.11
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27 11 19 Communications Termination Blocks And Patch Panels ^(27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0073 for labeling.

27 11 19 00-0001 Computer Network Components ^(27 11 19)

27 11 19 00-0002 Ethernet Patch Panels ^(27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	169.63	41.11
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	244.20	41.11
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	314.76	41.11
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	380.51	41.11
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	539.19	51.39
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	697.45	61.67
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	202.50	41.11

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	249.01	41.11
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	415.79	41.11
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	764.80	61.67
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	29.14	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	24.27	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	14.56	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires	8.01	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	6.68	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	4.01	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0020 Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	90.58	18.50
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	132.28	18.50
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	193.98	18.50
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	287.36	30.83
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	397.20	30.83
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	298.61	30.83
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	340.50	30.83
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	413.55	30.83
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	428.01	30.83
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing	370.40	30.83
For Splice Tray Bracket, Add	38.74	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing	432.69	30.83
For Splice Tray Bracket, Add	42.37	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing	537.68	30.83
For Splice Tray Bracket, Add	154.36	
27 11 19 00-0036 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0020) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0037 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	415.90	18.50
27 11 19 00-0038 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	576.50	30.83
27 11 19 00-0039 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	604.63	30.83
27 11 19 00-0040 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0020) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0041 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	435.33	18.50
27 11 19 00-0042 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	576.16	30.83
27 11 19 00-0043 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	675.67	30.83
27 11 19 00-0044 Fiber Optic Cable Connector Panels (27 11 19 00-0019)		
27 11 19 00-0045 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0046 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	57.60	4.11
27 11 19 00-0047 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	62.43	4.11
27 11 19 00-0048 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	69.92	4.11
27 11 19 00-0049 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	76.35	4.11
27 11 19 00-0050 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	94.58	4.11
27 11 19 00-0051 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	104.21	4.11
27 11 19 00-0052 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0053 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	55.46	4.11
27 11 19 00-0054 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	56.60	4.11
27 11 19 00-0055 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	67.09	4.11
27 11 19 00-0056 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	68.60	4.11
27 11 19 00-0057 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	90.34	4.11
27 11 19 00-0058 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	92.58	4.11
27 11 19 00-0059 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		



Communications	27	27
Structured Cabling	27 10	
Communications Equipment Room Fittings	27 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0060 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	59.82	4.11
27 11 19 00-0061 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	65.51	4.11
27 11 19 00-0062 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	72.88	4.11
27 11 19 00-0063 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	80.47	4.11
27 11 19 00-0064 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	99.02	4.11
27 11 19 00-0065 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	110.39	4.11
27 11 19 00-0066 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	125.16	4.11
27 11 19 00-0067 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	140.31	4.11
27 11 19 00-0068 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	177.42	4.11
27 11 19 00-0069 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	182.70	4.11
27 11 19 00-0070 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0071 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	48.04	4.11
27 11 19 00-0072 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	51.69	4.11
27 11 19 00-0073 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	57.18	4.11
27 11 19 00-0074 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	62.05	4.11
27 11 19 00-0075 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	75.45	4.11
27 11 19 00-0076 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	82.77	4.11
27 11 19 00-0077 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0078 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	59.48	4.11
27 11 19 00-0079 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	88.52	4.11
27 11 19 00-0080 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0081 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0080)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0082 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	211.59	41.11
27 11 19 00-0083 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0080)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0084 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	309.49	30.83
27 11 19 00-0085 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	314.02	30.83
27 11 19 00-0086 Fiber Optic Cable Splice Trays (27 11 19 00-0080)		
27 11 19 00-0087 EA Fiber Optic Cable Splice Tray.....	60.14	10.27
27 11 19 00-0088 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0089 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	119.51	30.83
27 11 19 00-0090 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0091 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	44.02	
27 11 19 00-0092 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	58.30	
27 11 19 00-0093 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	63.87	
27 11 19 00-0094 EA Wall Mount Bracket For 96 Port Patch Panel.....	71.29	
27 11 19 00-0095 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	278.84	41.11
27 11 19 00-0096 Telephone Components (27 11 19)		
27 11 19 00-0097 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0096)		
27 11 19 00-0098 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	22.35	8.23
27 11 19 00-0099 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	38.48	8.23
27 11 19 00-0100 EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	31.88	8.23
27 11 19 00-0101 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	17.92	8.23
27 11 19 00-0102 EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	12.76	5.76
27 11 19 00-0103 EA Ground Terminal Block With Wire Range 22-8 AWG.....	23.05	8.23
27 11 19 00-0104 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	17.92	8.23
27 11 19 00-0105 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	12.65	5.76
27 11 19 00-0106 EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	12.58	5.76
27 11 19 00-0107 EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	12.90	5.76
27 11 19 00-0108 Terminal Block Mounting Channel (27 11 19 00-0096)		
27 11 19 00-0109 EA Terminal Block Mounting Channel, .5 M Galvanized Steel.....	11.68	4.12
27 11 19 00-0110 EA Terminal Block Mounting Channel, 1 M Galvanized Steel.....	14.51	4.12
27 11 19 00-0111 EA Terminal Block Mounting Channel, 2 M Galvanized Steel.....	19.40	4.12
27 11 19 00-0112 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	14.65	4.94
27 11 19 00-0113 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	19.30	4.94
27 11 19 00-0114 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	26.84	4.94

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0115			Outlet Termination Hardware (27 11 19 00-0096)		
27 11 19 00-0116	EA		Telephone Outlet Blocks.....	20.43	4.12
27 11 19 00-0117	EA		Phone Outlet Block For Floor Box.....	67.55	31.25
			Note: Excludes box.		
27 11 19 00-0118	EA		Fiber Optic "SC" Type Modular Bulkhead.....	54.49	18.50
27 11 19 00-0119	EA		Fiber Optic "ST" Type Modular Bulkhead.....	54.49	18.50
27 11 19 00-0120	EA		Type "F" Coaxial Connector Male.....	32.69	12.34
27 11 19 00-0121	EA		Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	78.27	20.56
27 11 19 00-0122	EA		Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	78.27	20.56
27 11 19 00-0123	EA		Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	92.12	20.56
27 11 19 00-0124	EA		Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	92.12	20.56
27 11 19 00-0125	EA		Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	84.83	20.56
27 11 19 00-0126	EA		Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	695.22	102.78
27 11 19 00-0127	EA		Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	37.34	8.22
			Note: Excludes cable terminations.		
27 11 19 00-0128	EA		Connecting Block, 5-Pair.....	2.33	0.82
27 11 19 00-0129	EA		Connecting Block, 4-Pair.....	2.27	0.82
27 11 19 00-0130	EA		Plastic Label Holder, Transparent.....	9.58	2.05
27 11 19 00-0131	EA		Marked Label, White, 5-Pair.....	2.70	
27 11 19 00-0132	EA		Marked Label, Blue, 4-Pair.....	2.70	
27 11 19 00-0133			Terminations in Manhole or Junction Box (27 11 19 00-0096)		
27 11 19 00-0134	EA		25 Pair Cable Termination In Manhole Or Junction Box.....	131.56	
27 11 19 00-0135	EA		50 Pair Cable Termination In Manhole Or Junction Box.....	263.12	
27 11 19 00-0136	EA		100 Pair Cable Termination In Manhole Or Junction Box.....	526.24	
27 11 19 00-0137	EA		150 Pair Cable Termination In Manhole Or Junction Box.....	789.36	
27 11 19 00-0138	EA		200 Pair Cable Termination In Manhole Or Junction Box.....	923.38	
27 11 19 00-0139	EA		300 Pair Cable Termination In Manhole Or Junction Box.....	1,384.67	
27 11 19 00-0140	EA		400 Pair Cable Termination In Manhole Or Junction Box.....	1,741.53	
27 11 19 00-0141	EA		500 Pair Cable Termination In Manhole Or Junction Box.....	2,177.32	
27 11 19 00-0142	EA		750 Pair Cable Termination In Manhole Or Junction Box.....	3,265.96	
27 11 19 00-0143	EA		1,000 Pair Cable Termination In Manhole Or Junction Box.....	3,960.74	
27 11 19 00-0144	EA		1,200 Pair Cable Termination In Manhole Or Junction Box.....	4,514.19	
27 11 23			Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001			Equipment Hardware, Racks And Patch Panels (27 11 23)		
27 11 23 00-0002	EA		Environmental Enclosure, Nema 4x SS, 6' Free Standing.....	15,004.16	647.91
27 11 23 00-0003	EA		DVR Enclosure.....	1,117.23	161.96
27 11 23 00-0004	EA		Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	3,981.53	323.93
27 11 23 00-0005	EA		Panel, NEMA 12/27.00x21.00.....	318.29	80.98
27 11 23 00-0006	EA		Panel, NEMA 12/8.75x6.88.....	96.21	80.98
27 11 23 00-0007	EA		Clamp Assembly, Fast Opening, Stainless Steel Type 304.....	120.58	80.98
27 11 23 00-0008	EA		Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	3,414.66	80.98
27 11 23 00-0009	EA		12" x 5'-11" Tubular Runway.....	70.66	19.73
27 11 23 00-0010	EA		12" x 9'-11" Tubular Runway.....	121.94	32.89
27 11 23 00-0011	EA		Shelf Bracket Support For Tubular Runway.....	22.46	6.16
27 11 23 00-0012	EA		Straight Clamp Hardware For Tubular Runway.....	10.31	4.11
27 11 23 00-0013	EA		Corner Clamp Hardware For Tubular Runway.....	10.83	4.11
27 11 23 00-0014	EA		90 Degree Edge Clamp Hardware For Tubular Runway.....	23.88	7.40
27 11 23 00-0015	EA		Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	49.21	12.34
27 11 23 00-0016	EA		J-Bolt Hardware For Tubular Runway.....	9.55	1.80
27 11 23 00-0017	EA		T Bracket Hardware For Tubular Runway.....	26.18	10.27
27 11 23 00-0018	EA		Horizontal Cable Management Panel, Two Rack Space.....	65.08	10.27
27 11 23 00-0019	EA		Vertical Cable Management Center Panel.....	84.73	12.34
27 11 23 00-0020	EA		2" Wide Vertical Cable Management Bracket.....	13.88	4.11
27 11 23 00-0021	EA		Wire Management Trough.....	23.49	4.11
27 11 23 00-0022	EA		19" Width, Horizontal Cable Manager.....	197.57	27.38
27 11 23 00-0023	EA		3" Channel Width, 84" Height, Vertical Cable Manager.....	162.26	20.56
27 11 23 00-0024	EA		6" Channel Width, 84" Height, Vertical Cable Manager.....	269.70	20.56
27 11 23 00-0025	EA		19" x 48" Vertical Cable Management Rack.....	202.28	41.18
27 11 23 00-0026	EA		19" x 60" Vertical Cable Management Rack.....	258.56	51.47
27 11 23 00-0027	EA		19" x 72" Vertical Cable Management Rack.....	313.90	67.95
27 11 23 00-0028	EA		19" x 84" Vertical Cable Management Rack.....	353.60	82.36
27 11 23 00-0029	EA		2" J-Hooks With Beam Clamps.....	12.23	2.72
27 11 23 00-0030	LF		Velcro CMP.....	1.98	0.82
27 14			Communications Cabling (27 10)		
27 14 13			Communications Copper Cabling (27 14)		
27 14 13 13			Communications Copper Cable Splicing and Terminations (27 14 13)		
27 14 13 13-0001			Building Entrance Terminals (27 14 13 13)		
27 14 13 13-0002	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,364.14	180.41
27 14 13 13-0003	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,859.53	300.69
27 14 13 13-0004	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,671.63	481.48



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0005 Modular Plugs For Copper Communications Cable <small>(27 14 13 13)</small>		
27 14 13 13-0006 EA Modular Plug For Non-Shielded Copper Communications Cable.....	18.50	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-2.46	
For >10, Deduct	-4.92	
27 14 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable.....	20.98	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-2.77	
For >10, Deduct	-5.54	
27 14 13 13-0008 Testing And Certification Of Copper Communications Cable <small>(27 14 13 13)</small>		
Note: Use for existing systems.		
27 14 13 13-0009 PR Test 1-Pair Of A Copper Communications Cable For Continuity	4.11	
For >25-Pair, Deduct	-1.64	
27 14 13 13-0010 PR Certify 1-Pair Of A Copper Communications Cable	6.57	
For >25-Pair, Deduct	-2.62	
27 14 13 13-0011 PR Certify And Document 1-Pair Of A Copper Communications Cable	9.86	
For >25-Pair, Deduct	-3.94	
27 14 13 13-0012 Communications Termination Blocks <small>(27 14 13 13)</small>		
27 14 13 13-0013 EA 100-Pair, 110 Block With Legs.....	35.64	10.27
27 14 13 13-0014 EA 300-Pair, 110 Block With Legs.....	56.03	10.27
27 14 13 13-0015 EA Clear Label Holder For 110 Wiring Block.....	10.30	4.11
27 14 13 13-0016 EA 4-Pair, 110C Connecting Block.....	4.74	2.05
27 14 13 13-0017 EA 5-Pair, 110C Connecting Block.....	4.84	2.05
27 14 13 13-0018 EA 100-Pair, 110 Jack Panel System.....	160.09	12.34
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0019 EA 300-Pair, 110 Jack Panel System.....	407.67	12.34
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 16 Communications Copper Cabling <small>(27 14 13)</small>		
27 14 13 16-0001 Solid Conductor Low Voltage Cable <small>(27 14 13 16)</small>		
27 14 13 16-0002 Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0001)</small>		
27 14 13 16-0003 #12 AWG Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0002)</small>		
27 14 13 16-0004 MLF 1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,046.72	744.20
For #10 AWG, Add	514.16	
For Installation On Exposed Surface, Deduct	-248.09	
27 14 13 16-0005 MLF 2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,772.42	770.51
For #10 AWG, Add	747.91	
For Installation On Exposed Surface, Deduct	-256.91	
27 14 13 16-0006 MLF 3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,401.81	797.58
For #10 AWG, Add	949.84	
For Installation On Exposed Surface, Deduct	-265.78	
27 14 13 16-0007 MLF 4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,069.54	824.64
For #10 AWG, Add	1,164.22	
For Installation On Exposed Surface, Deduct	-274.96	
27 14 13 16-0008 MLF 5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,747.29	880.26
For #10 AWG, Add	1,375.83	
For Installation On Exposed Surface, Deduct	-293.51	
27 14 13 16-0009 MLF 6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,357.50	935.13
For #10 AWG, Add	1,565.31	
For Installation On Exposed Surface, Deduct	-311.79	
27 14 13 16-0010 MLF 8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,743.73	1,046.39
For #10 AWG, Add	1,668.76	
For Installation On Exposed Surface, Deduct	-348.73	
27 14 13 16-0011 MLF 12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,631.98	1,379.40
For #10 AWG, Add	2,219.74	
For Installation On Exposed Surface, Deduct	-459.71	
27 14 13 16-0012 MLF 24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	11,394.52	2,037.16
For #10 AWG, Add	3,318.92	
For Installation On Exposed Surface, Deduct	-678.88	
27 14 13 16-0013 #14 AWG Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0002)</small>		
27 14 13 16-0014 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,754.62	650.99
For Installation On Exposed Surface, Deduct	-216.95	
27 14 13 16-0015 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,359.98	674.29
For Installation On Exposed Surface, Deduct	-224.76	
27 14 13 16-0016 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,885.15	697.60
For Installation On Exposed Surface, Deduct	-232.58	
27 14 13 16-0017 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,441.65	721.65
For Installation On Exposed Surface, Deduct	-240.55	
27 14 13 16-0018 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,008.90	770.51
For Installation On Exposed Surface, Deduct	-256.79	
27 14 13 16-0019 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,519.58	818.62
For Installation On Exposed Surface, Deduct	-272.72	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0020 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,849.40 -305.20	915.59
27 14 13 16-0021 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,442.07 -402.17	1,206.50
27 14 13 16-0022 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,617.62 -594.16	1,782.32
27 14 13 16-0023 #16 AWG Low Voltage Cable, Pulled In Conduit (27 14 13 16-0002)		
27 14 13 16-0024 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,558.87 -193.79	581.07
27 14 13 16-0025 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,388.30 -200.71	602.13
27 14 13 16-0026 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,943.55 -207.62	623.17
27 14 13 16-0027 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,187.34 -214.84	644.22
27 14 13 16-0028 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,262.08 -229.27	687.82
27 14 13 16-0029 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,679.68 -243.56	730.67
27 14 13 16-0030 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,513.45 -257.99	774.27
27 14 13 16-0031 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,347.99 -272.57	817.87
27 14 13 16-0032 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,955.11 -289.86	869.73
27 14 13 16-0033 MLF 25 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	11,785.73 -543.11	1,629.72
27 14 13 16-0034 #18 AWG Low Voltage Cable, Pulled In Conduit (27 14 13 16-0002)		
27 14 13 16-0035 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,578.06 -170.49	511.92
27 14 13 16-0036 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,262.49 -176.65	529.96
27 14 13 16-0037 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,819.52 -182.82	548.00
27 14 13 16-0038 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,019.28 -188.98	566.80
27 14 13 16-0039 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,211.05 -201.76	605.13
27 14 13 16-0040 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,844.03 -214.39	642.71
27 14 13 16-0041 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,436.35 -239.80	719.39
27 14 13 16-0042 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,046.99 -316.02	947.92
27 14 13 16-0043 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	11,335.01 -466.82	1,400.45
27 14 13 16-0044 LF 18/6 Reader Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3.42 -0.65	1.62
27 14 13 16-0045 LF 18 AWG 2 Cond Sol Non-Plenum White NPLF <i>For Installation On Exposed Surface, Deduct</i>	3.35 -0.65	1.62
27 14 13 16-0046 LF 18 AWG 6 Con Str Shld Blue Non-Plenum..... <i>For Installation On Exposed Surface, Deduct</i>	3.42 -0.65	1.62
27 14 13 16-0047 LF 18 AWG 6 Cond Str Shld Blue PL CMP (1000 RL) Northern..... <i>For Installation On Exposed Surface, Deduct</i>	3.54 -0.65	1.62
27 14 13 16-0048 LF 18 AWG 4 Cond Str Plen CMP/FPLR <i>For Installation On Exposed Surface, Deduct</i>	3.42 -0.65	1.62
27 14 13 16-0049 LF 18 AWG 2 Cond Sol White Non-Plenum CMR/FPLR <i>For Installation On Exposed Surface, Deduct</i>	3.30 -0.65	1.62
27 14 13 16-0050 LF 18 AWG 10 Cond Sol White Non-Plenum NPLF <i>For Installation On Exposed Surface, Deduct</i>	3.57 -0.65	1.62
27 14 13 16-0051 LF 18 AWG 4 Cond Sol White NPLF <i>For Installation On Exposed Surface, Deduct</i>	3.41 -0.65	1.62
27 14 13 16-0052 #20 AWG Low Voltage Cable, Pulled In Conduit (27 14 13 16-0002)		
27 14 13 16-0053 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,079.67 -155.00	465.32
27 14 13 16-0054 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,484.13 -160.57	481.85
27 14 13 16-0055 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,086.12 -171.84	515.68
27 14 13 16-0056 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,514.04 -194.84	584.83
27 14 13 16-0057 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,942.80 -218.00	653.99
27 14 13 16-0058 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,261.44 -287.31	862.22
27 14 13 16-0059 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,539.48 -424.42	1,273.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0060 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	7,088.35 -434.49	1,303.48
27 14 13 16-0061 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	8,553.23 -505.91	1,517.72
27 14 13 16-0062 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	9,188.34 -541.53	1,624.46
27 14 13 16-0063 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	10,722.68 -676.69	2,030.39
27 14 13 16-0064 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	14,840.34 -890.93	2,673.10
27 14 13 16-0065 Triad <small>(27 14 13 16-0002)</small>		
27 14 13 16-0066 MLF 1 Triad #16.....	3,226.04	623.17
27 14 13 16-0067 MLF 4 Triad #20.....	4,067.57	862.22
27 14 13 16-0068 MLF 8 Triad #20.....	6,553.33	1,273.41
27 14 13 16-0069 MLF 12 Triad #20.....	8,345.52	1,517.72
27 14 13 16-0070 MLF 24 Triad #20.....	14,027.44	2,351.37
27 14 13 16-0071 MLF 36 Triad #20.....	16,225.10	2,673.10
27 14 13 16-0072 Low Voltage Cable Buried In Trench <small>(27 14 13 16-0001)</small>		
<i>Note: Excludes excavation.</i>		
27 14 13 16-0073 MLF 1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,371.56	
27 14 13 16-0074 MLF 2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,422.05	
27 14 13 16-0075 MLF 3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,681.85	
27 14 13 16-0076 MLF 4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,802.67	
27 14 13 16-0077 MLF 5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,021.45	
27 14 13 16-0078 MLF 6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,123.17	
27 14 13 16-0079 Low Voltage Cable Installed On Poles, Aerially <small>(27 14 13 16-0001)</small>		
27 14 13 16-0080 MLF 1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,447.57	410.80
27 14 13 16-0081 MLF 2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,540.35	440.11
27 14 13 16-0082 MLF 3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,072.15	556.39
27 14 13 16-0083 MLF 4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,386.85	643.52
27 14 13 16-0084 MLF 5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,768.68	733.48
27 14 13 16-0085 MLF 6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,335.89	937.08
27 14 13 16-0086 Non-Shielded Low Voltage Cable Pulled In Conduit <small>(27 14 13 16-0001)</small>		
27 14 13 16-0087 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,487.60 -240.55	721.65
27 14 13 16-0088 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,849.40 -305.20	915.59
27 14 13 16-0089 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,442.07 -402.17	1,206.50
27 14 13 16-0090 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	9,617.62 -594.16	1,782.32
27 14 13 16-0091 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,370.54 -193.79	581.07
27 14 13 16-0092 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,723.61 -200.71	602.13
27 14 13 16-0093 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,924.36 -207.62	623.17
27 14 13 16-0094 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,209.70 -214.84	644.22
27 14 13 16-0095 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,502.68 -229.12	687.07
27 14 13 16-0096 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,796.41 -243.56	730.67
27 14 13 16-0097 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,200.91 -257.99	774.27
27 14 13 16-0098 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,523.08 -272.57	817.87
27 14 13 16-0099 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,969.49 -289.85	869.73
27 14 13 16-0100 MLF 25 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,360.98 -530.56	1,591.38
27 14 13 16-0101 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,193.79 -170.49	511.16
27 14 13 16-0102 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,495.33 -176.65	529.96
27 14 13 16-0103 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,667.40 -182.82	548.75
27 14 13 16-0104 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,910.09 -188.98	566.80
27 14 13 16-0105 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,162.30 -201.76	605.13
27 14 13 16-0106 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,413.78 -214.39	643.47
27 14 13 16-0107 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,035.18 -239.80	719.39

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0108 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,909.26 -316.02	947.92
27 14 13 16-0109 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,865.21 -466.82	1,400.45
27 14 13 16-0110 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,015.97 -155.00	465.32
27 14 13 16-0111 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,273.65 -160.57	481.85
27 14 13 16-0112 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,787.01 -171.84	515.68
27 14 13 16-0113 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,890.18 -218.00	653.99
27 14 13 16-0114 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,569.06 -287.31	862.22
27 14 13 16-0115 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,445.52 -424.42	1,273.41
27 14 13 16-0116 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	6,049.78 -434.49	1,303.48
27 14 13 16-0117 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	7,930.09 -505.91	1,517.72
27 14 13 16-0118 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	8,357.49 -541.53	1,624.46
27 14 13 16-0119 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	11,138.11 -676.69	2,030.39
27 14 13 16-0120 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	14,424.91 -890.93	2,673.10
27 14 13 16-0121 MLF 1 Single #16 TC..... <i>For Installation On Exposed Surface, Deduct</i>	1,245.91 -193.79	581.07
27 14 13 16-0122 MLF 24 Single #16 TC..... <i>For Installation On Exposed Surface, Deduct</i>	5,457.58 -530.41	1,591.38
27 14 13 16-0123 MLF 3 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	1,722.34 -232.58	697.60
27 14 13 16-0124 MLF 4 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	1,889.59 -240.55	721.65
27 14 13 16-0125 MLF 6 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	2,402.18 -272.72	818.62
27 14 13 16-0126 MLF 7 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	2,588.61 -288.96	866.72
27 14 13 16-0127 MLF 9 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	3,694.61 -452.00	904.01
27 14 13 16-0128 MLF 12 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	4,018.74 -402.17	1,206.50
27 14 13 16-0129 MLF 24 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	6,778.87 -594.16	1,782.32
27 14 13 16-0130 MLF 37 Single #14 TC..... <i>For Installation On Exposed Surface, Deduct</i>	9,795.24 -716.09	2,148.40
27 14 13 16-0131 MLF 3 Single #12 TC..... <i>For Installation On Exposed Surface, Deduct</i>	2,067.94 -257.39	772.76
27 14 13 16-0132 MLF 3 Single #10 TC..... <i>For Installation On Exposed Surface, Deduct</i>	2,569.39 -282.35	847.18
27 14 13 16-0133 Plenum Rated Low Voltage Cable (27 14 13 16-0001)		
27 14 13 16-0134 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	1,646.60	581.07
27 14 13 16-0135 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,596.01	602.13
27 14 13 16-0136 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	3,229.36	623.17
27 14 13 16-0137 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	3,504.31	644.22
27 14 13 16-0138 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	4,729.43	687.07
27 14 13 16-0139 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	5,198.96	730.67
27 14 13 16-0140 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	7,095.76	817.87
27 14 13 16-0141 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	8,442.08	1,077.21
27 14 13 16-0142 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	13,083.49	1,591.38
27 14 13 16-0143 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	1,364.30	511.16
27 14 13 16-0144 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,137.22	529.96
27 14 13 16-0145 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,757.26	548.75
27 14 13 16-0146 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	3,007.81	566.80
27 14 13 16-0147 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	4,046.17	605.13
27 14 13 16-0148 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	4,766.22	643.47
27 14 13 16-0149 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	5,426.73	719.39
27 14 13 16-0150 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	6,899.20	947.92
27 14 13 16-0151 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	11,717.32	1,400.45
27 14 13 16-0152 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	1,125.36	465.32
27 14 13 16-0153 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	1,586.33	481.85
27 14 13 16-0154 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,029.93	498.39
27 14 13 16-0155 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,270.15	515.68
27 14 13 16-0156 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,539.68	550.26
27 14 13 16-0157 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	2,872.03	584.83
27 14 13 16-0158 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	3,220.72	653.99
27 14 13 16-0159 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	4,685.17	862.22
27 14 13 16-0160 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	7,340.56	1,273.41
27 14 13 16-0161 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	7,979.44	1,303.48
27 14 13 16-0162 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	9,623.87	1,517.72
27 14 13 16-0163 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	10,363.66	1,624.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0164 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	12,053.67	2,030.39
27 14 13 16-0165 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	16,723.83	2,673.10
27 14 13 16-0166 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	34,085.78	4,923.74
27 14 13 16-0167 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	56,670.90	6,515.88
27 14 13 16-0168 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	78,981.71	8,211.00
27 14 13 16-0169 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	113,045.88	11,262.97
27 14 13 16-0170 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	999.14	465.32
27 14 13 16-0171 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,304.00	481.85
27 14 13 16-0172 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,597.82	498.39
27 14 13 16-0173 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,761.75	515.68
27 14 13 16-0174 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,955.03	550.26
27 14 13 16-0175 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,188.20	584.83
27 14 13 16-0176 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,452.95	653.99
27 14 13 16-0177 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,514.62	862.22
27 14 13 16-0178 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,460.24	1,273.41
27 14 13 16-0179 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,887.00	1,303.48
27 14 13 16-0180 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,081.56	1,517.72
27 14 13 16-0181 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,605.02	1,624.46
27 14 13 16-0182 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	8,929.58	2,030.39
27 14 13 16-0183 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	12,302.98	2,673.10
27 14 13 16-0184 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	24,730.09	4,923.74
27 14 13 16-0185 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	40,153.27	6,515.88
27 14 13 16-0186 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	55,437.64	8,211.00
27 14 13 16-0187 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	79,055.69	11,262.97
27 14 13 16-0188 LF 22 AWG 2 PR Ind Shielded White Non-Plen Cable, CMR/FPLR (500 RL).....	3.35	1.62
27 14 13 16-0189 Non-Shielded Plenum Rated Low Voltage Cable (27 14 13 16-0001)		
27 14 13 16-0190 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,430.78	581.07
27 14 13 16-0191 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,831.63	602.13
27 14 13 16-0192 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,057.30	623.17
27 14 13 16-0193 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,379.28	644.22
27 14 13 16-0194 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,706.99	687.07
27 14 13 16-0195 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,033.20	730.67
27 14 13 16-0196 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,847.12	817.87
27 14 13 16-0197 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,948.94	1,077.21
27 14 13 16-0198 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,430.22	1,591.38
27 14 13 16-0199 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,245.00	511.16
27 14 13 16-0200 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,587.14	529.96
27 14 13 16-0201 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,780.39	548.75
27 14 13 16-0202 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,054.88	566.80
27 14 13 16-0203 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,335.34	605.13
27 14 13 16-0204 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,615.07	643.47
27 14 13 16-0205 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,310.61	719.39
27 14 13 16-0206 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,260.24	947.92
27 14 13 16-0207 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,394.88	1,400.45
27 14 13 16-0208 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,052.11	465.32
27 14 13 16-0209 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,344.27	481.85
27 14 13 16-0210 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,534.52	498.39
27 14 13 16-0211 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,917.87	515.68
27 14 13 16-0212 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,197.45	550.26
27 14 13 16-0213 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,829.13	584.83
27 14 13 16-0214 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,160.20	653.99
27 14 13 16-0215 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,888.94	862.22
27 14 13 16-0216 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,944.03	1,273.41
27 14 13 16-0217 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,423.17	1,303.48
27 14 13 16-0218 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,738.55	1,517.72
27 14 13 16-0219 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,311.86	1,624.46
27 14 13 16-0220 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	9,730.04	2,030.39
27 14 13 16-0221 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	13,435.69	2,673.10
27 14 13 16-0222 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	27,130.31	4,923.74
27 14 13 16-0223 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	44,389.14	6,515.88
27 14 13 16-0224 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	61,476.90	8,211.00
27 14 13 16-0225 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	87,772.61	11,262.22
27 14 13 16-0226 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	952.26	465.32
27 14 13 16-0227 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,149.18	481.85
27 14 13 16-0228 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,280.92	498.39
27 14 13 16-0229 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,536.41	515.68
27 14 13 16-0230 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,736.11	550.26
27 14 13 16-0231 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,160.78	584.83
27 14 13 16-0232 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,414.27	653.99
27 14 13 16-0233 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,005.29	862.22
27 14 13 16-0234 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,566.90	1,273.41
27 14 13 16-0235 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,891.55	1,303.48
27 14 13 16-0236 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,861.61	1,517.72
27 14 13 16-0237 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,292.54	1,624.46
27 14 13 16-0238 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,443.22	2,030.39
27 14 13 16-0239 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	10,199.62	2,673.10
27 14 13 16-0240 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	20,281.29	4,923.74
27 14 13 16-0241 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	32,297.71	6,515.88
27 14 13 16-0242 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	44,243.07	8,211.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0243 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	62,892.93	11,262.97
27 14 13 16-0244 Sound System Cables (27 14 13 16-0001) Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 14 13 16-0245 MLF 2/c #18 AWG, Stranded Copper Conductor, Speakers.....	849.06	95.92
27 14 13 16-0246 MLF 2/c #16 AWG, Stranded Copper Conductor, Speakers.....	952.48	100.73
27 14 13 16-0247 MLF 2/c #22 AWG, Shielded, Stranded Copper Conductor, Microphone	620.35	76.68
27 14 13 16-0248 MLF 4/c #22 AWG, 2 Shielded, 2 Unshielded, Stranded Copper Conductor, Microphone	685.00	80.59
27 14 13 16-0249 MLF 2/c #20 AWG, Shielded, Stranded Copper Conductors, Microphone.....	779.12	91.11
27 14 13 16-0250 MLF 4/c #20 AWG, 2 Shielded, 2 Unshielded, Stranded Copper Conductor, Microphone	885.15	100.43
27 14 13 16-0251 Copper Communications Cable (27 14 13 16)		
27 14 13 16-0252 Indoor Telecommunications Cable (27 14 13 16-0251) Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0253 Category 3, Indoor Telecommunications Cable (27 14 13 16-0252) Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0254 Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0253)		
27 14 13 16-0255 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0254)		
27 14 13 16-0256 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0255)		
27 14 13 16-0257 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	655.86	345.35
27 14 13 16-0258 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	690.02	345.35
27 14 13 16-0259 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	701.97	345.35
27 14 13 16-0260 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	852.52	394.68
27 14 13 16-0261 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,103.59	394.68
27 14 13 16-0262 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,503.27	394.68
27 14 13 16-0263 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,422.67	493.35
27 14 13 16-0264 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,398.57	789.36
27 14 13 16-0265 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,990.92	888.03
27 14 13 16-0266 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,998.31	986.71
27 14 13 16-0267 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,710.05	1,381.39
27 14 13 16-0268 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,368.16	1,706.99
27 14 13 16-0269 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,980.10	2,368.08
27 14 13 16-0270 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	38,815.52	4,736.16
27 14 13 16-0271 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	52,668.80	7,104.25
27 14 13 16-0272 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0255)		
27 14 13 16-0273 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,231.43	690.69
27 14 13 16-0274 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,265.59	690.69
27 14 13 16-0275 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,277.54	690.69
27 14 13 16-0276 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,345.87	690.69
27 14 13 16-0277 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,596.94	690.69
27 14 13 16-0278 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,161.07	789.36
27 14 13 16-0279 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,244.92	986.71
27 14 13 16-0280 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,056.37	1,184.04
27 14 13 16-0281 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,730.95	1,332.04
27 14 13 16-0282 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	8,820.56	1,480.05
27 14 13 16-0283 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,861.20	2,072.07
27 14 13 16-0284 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	16,798.87	2,565.43
27 14 13 16-0285 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	25,953.50	3,552.12
27 14 13 16-0286 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	42,762.32	7,104.25
27 14 13 16-0287 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	58,589.01	10,656.37
27 14 13 16-0288 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0254)		
27 14 13 16-0289 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0288)		
27 14 13 16-0290 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,457.53	394.68
27 14 13 16-0291 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,679.25	493.35
27 14 13 16-0292 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,741.28	789.36
27 14 13 16-0293 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,055.87	986.71
27 14 13 16-0294 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,838.40	1,381.39
27 14 13 16-0295 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,253.33	1,706.99
27 14 13 16-0296 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,331.19	2,368.08
27 14 13 16-0297 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0288)		
27 14 13 16-0298 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,115.33	789.36



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0299 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,501.50	986.71
27 14 13 16-0300 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,399.08	1,184.04
27 14 13 16-0301 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,878.12	1,480.05
27 14 13 16-0302 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,989.55	2,072.07
27 14 13 16-0303 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,684.04	2,565.43
27 14 13 16-0304 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,304.59	3,552.12
27 14 13 16-0305 Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0253)</small>		
27 14 13 16-0306 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0305)</small>		
27 14 13 16-0307 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0306)</small>		
27 14 13 16-0308 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	678.07	345.35
27 14 13 16-0309 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	712.22	345.35
27 14 13 16-0310 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	736.13	345.35
27 14 13 16-0311 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	888.39	394.68
27 14 13 16-0312 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,149.71	394.68
27 14 13 16-0313 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,861.94	394.68
27 14 13 16-0314 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,141.74	493.35
27 14 13 16-0315 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,956.28	789.36
27 14 13 16-0316 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,372.46	986.71
27 14 13 16-0317 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,561.62	1,381.39
27 14 13 16-0318 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0306)</small>		
27 14 13 16-0319 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,253.64	690.69
27 14 13 16-0320 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,287.79	690.69
27 14 13 16-0321 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,311.70	690.69
27 14 13 16-0322 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,381.74	690.69
27 14 13 16-0323 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,643.06	690.69
27 14 13 16-0324 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,519.74	789.36
27 14 13 16-0325 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,963.99	986.71
27 14 13 16-0326 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,614.08	1,184.04
27 14 13 16-0327 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	11,194.71	1,480.05
27 14 13 16-0328 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,712.77	2,072.07
27 14 13 16-0329 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0252)</small>		
27 14 13 16-0330 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0329)</small>		
27 14 13 16-0331 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0330)</small>		
27 14 13 16-0332 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	763.46	345.35
27 14 13 16-0333 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	807.59	345.35
27 14 13 16-0334 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	890.67	394.68
27 14 13 16-0335 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	935.06	394.68
27 14 13 16-0336 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0330)</small>		
27 14 13 16-0337 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,339.03	690.69
27 14 13 16-0338 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,383.16	690.69
27 14 13 16-0339 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,548.47	789.36
27 14 13 16-0340 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,592.86	789.36
27 14 13 16-0341 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0329)</small>		
27 14 13 16-0342 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0341)</small>		
27 14 13 16-0343 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	910.35	345.35
27 14 13 16-0344 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,321.51	394.68
27 14 13 16-0345 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0341)</small>		
27 14 13 16-0346 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,485.92	690.69
27 14 13 16-0347 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,979.31	789.36
27 14 13 16-0348 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0252)</small>		
27 14 13 16-0349 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0348)</small>		
27 14 13 16-0350 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0349)</small>		
27 14 13 16-0351 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	872.77	345.35
27 14 13 16-0352 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	906.00	345.35

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27 14 13 16-0353 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 14 13 16-0349)		
27 14 13 16-0354 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,448.34	690.69
27 14 13 16-0355 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,481.57	690.69
27 14 13 16-0356 Category 6, Indoor Telecommunications Plenum Cable ^(27 14 13 16-0348)		
27 14 13 16-0357 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 14 13 16-0356)		
27 14 13 16-0358 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,180.22	345.35
27 14 13 16-0359 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 14 13 16-0356)		
27 14 13 16-0360 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,755.79	690.69
27 14 13 16-0361 Category 6a, Indoor Telecommunications Cable ^(27 14 13 16-0252)		
27 14 13 16-0362 Category 6a, Indoor Telecommunications Riser Cable ^(27 14 13 16-0361)		
27 14 13 16-0363 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 14 13 16-0362)		
27 14 13 16-0364 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	925.86	345.35
27 14 13 16-0365 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 14 13 16-0362)		
27 14 13 16-0366 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,501.43	690.69
27 14 13 16-0367 Category 6a, Indoor Telecommunications Plenum Cable ^(27 14 13 16-0361)		
27 14 13 16-0368 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 14 13 16-0367)		
27 14 13 16-0369 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,337.36	345.35
27 14 13 16-0370 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 14 13 16-0367)		
27 14 13 16-0371 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,912.93	690.69
27 14 13 16-0372 Category 7, Indoor Telecommunications Cable ^(27 14 13 16-0252)		
27 14 13 16-0373 Category 7, Indoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0372)		
27 14 13 16-0374 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,008.16	394.68
27 14 13 16-0375 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,954.12	394.68
27 14 13 16-0376 Category 7, Indoor Telecommunications Cable, Installed Exposed ^(27 14 13 16-0372)		
27 14 13 16-0377 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,665.96	789.36
27 14 13 16-0378 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,611.92	789.36
27 14 13 16-0379 Outdoor Telecommunications Cable ^(27 14 13 16-0251)		
Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0380 PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0379)		
Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0381 24 AWG, PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0380)		
27 14 13 16-0382 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0381)		
27 14 13 16-0383 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,469.20	690.69
27 14 13 16-0384 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,603.72	690.69
27 14 13 16-0385 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,893.51	690.69
27 14 13 16-0386 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,445.58	690.69
27 14 13 16-0387 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,994.31	690.69
27 14 13 16-0388 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,544.31	690.69
27 14 13 16-0389 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,021.23	888.03
27 14 13 16-0390 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,834.55	1,282.71
27 14 13 16-0391 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,689.68	1,677.39
27 14 13 16-0392 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,869.30	2,269.41
27 14 13 16-0393 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,770.43	4,538.83
27 14 13 16-0394 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,599.12	6,709.57
27 14 13 16-0395 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0381)		
27 14 13 16-0396 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,222.53	
27 14 13 16-0397 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,357.05	



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27 14 13 16-0398 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,646.84	
27 14 13 16-0399 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,198.91	
27 14 13 16-0400 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,747.64	
27 14 13 16-0401 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,297.64	
27 14 13 16-0402 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,856.78	
27 14 13 16-0403 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,341.20	
27 14 13 16-0404 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,661.86	
27 14 13 16-0405 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,060.35	
27 14 13 16-0406 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,836.94	
27 14 13 16-0407 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,363.30	
27 14 13 16-0408 22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0380)		
27 14 13 16-0409 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0408)		
27 14 13 16-0410 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,554.72	690.69
27 14 13 16-0411 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,763.50	690.69
27 14 13 16-0412 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,220.57	690.69
27 14 13 16-0413 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,027.71	690.69
27 14 13 16-0414 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,904.01	690.69
27 14 13 16-0415 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,781.02	690.69
27 14 13 16-0416 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,407.02	888.03
27 14 13 16-0417 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,237.16	1,282.71
27 14 13 16-0418 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,276.70	1,677.39
27 14 13 16-0419 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,879.68	2,269.41
27 14 13 16-0420 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,886.88	4,538.83
27 14 13 16-0421 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	50,734.26	6,709.57
27 14 13 16-0422 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0408)		
27 14 13 16-0423 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,308.05	
27 14 13 16-0424 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,516.83	
27 14 13 16-0425 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,973.90	
27 14 13 16-0426 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,781.04	
27 14 13 16-0427 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,657.34	
27 14 13 16-0428 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,534.35	
27 14 13 16-0429 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,242.57	
27 14 13 16-0430 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,743.81	
27 14 13 16-0431 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,248.88	
27 14 13 16-0432 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,070.73	
27 14 13 16-0433 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,953.39	
27 14 13 16-0434 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,498.44	
27 14 13 16-0435 19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0380)		
27 14 13 16-0436 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0435)		
27 14 13 16-0437 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,228.82	690.69
27 14 13 16-0438 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,998.51	690.69
27 14 13 16-0439 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,409.70	690.69
27 14 13 16-0440 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,684.61	690.69
27 14 13 16-0441 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0435)		
27 14 13 16-0442 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,982.15	
27 14 13 16-0443 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,751.84	
27 14 13 16-0444 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,163.03	
27 14 13 16-0445 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,437.94	
27 14 13 16-0446 PE-39 Outdoor Telecommunications Cable (27 14 13 16-0379)		
Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0447 24 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0446)		
27 14 13 16-0448 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0447)		
27 14 13 16-0449 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,481.22	690.69
27 14 13 16-0450 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,645.80	690.69
27 14 13 16-0451 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,977.83	690.69
27 14 13 16-0452 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,575.74	690.69
27 14 13 16-0453 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,788.40	690.69
27 14 13 16-0454 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,579.46	888.03
27 14 13 16-0455 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,596.00	1,282.71
27 14 13 16-0456 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,617.51	1,677.39
27 14 13 16-0457 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,224.00	2,269.41
27 14 13 16-0458 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,522.39	4,538.83
27 14 13 16-0459 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,143.00	6,709.57



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0460	24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0447)		
27 14 13 16-0461	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,234.55	
27 14 13 16-0462	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,399.13	
27 14 13 16-0463	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,731.16	
27 14 13 16-0464	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,329.07	
27 14 13 16-0465	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,541.73	
27 14 13 16-0466	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,415.01	
27 14 13 16-0467	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,102.65	
27 14 13 16-0468	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	11,589.69	
27 14 13 16-0469	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,415.05	
27 14 13 16-0470	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,588.90	
27 14 13 16-0471	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	32,907.18	
27 14 13 16-0472	22 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0446)		
27 14 13 16-0473	22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0472)		
27 14 13 16-0474	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,576.37	690.69
27 14 13 16-0475	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,818.21	690.69
27 14 13 16-0476	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,332.85	690.69
27 14 13 16-0477	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,279.62	690.69
27 14 13 16-0478	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,255.39	690.69
27 14 13 16-0479	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,402.64	888.03
27 14 13 16-0480	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,763.36	1,282.71
27 14 13 16-0481	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,657.85	1,677.39
27 14 13 16-0482	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,609.26	2,269.41
27 14 13 16-0483	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,480.84	4,538.83
27 14 13 16-0484	22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0472)		
27 14 13 16-0485	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,329.70	
27 14 13 16-0486	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,571.54	
27 14 13 16-0487	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,086.18	
27 14 13 16-0488	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,032.95	
27 14 13 16-0489	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,008.72	
27 14 13 16-0490	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,238.19	
27 14 13 16-0491	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,270.01	
27 14 13 16-0492	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,630.03	
27 14 13 16-0493	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,800.31	
27 14 13 16-0494	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,547.35	
27 14 13 16-0495	19 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0446)		
27 14 13 16-0496	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0495)		
27 14 13 16-0497	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,472.91	690.69
27 14 13 16-0498	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,393.07	690.69
27 14 13 16-0499	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,374.81	690.69
27 14 13 16-0500	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0495)		
27 14 13 16-0501	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,226.24	
27 14 13 16-0502	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,146.40	
27 14 13 16-0503	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,128.14	
27 14 13 16-0504	(Aerial) Outdoor Telecommunications Cable (27 14 13 16-0379)		
Note: Includes support wire.			
27 14 13 16-0505	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0504)		
27 14 13 16-0506	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,534.94	1,408.34
27 14 13 16-0507	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,671.87	1,408.34
27 14 13 16-0508	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,011.86	1,408.34
27 14 13 16-0509	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,641.33	1,408.34
27 14 13 16-0510	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,857.16	1,408.34
27 14 13 16-0511	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,624.27	1,549.18
27 14 13 16-0512	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,406.44	1,690.01
27 14 13 16-0513	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0504)		
27 14 13 16-0514	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,698.77	1,408.34
27 14 13 16-0515	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,901.08	1,408.34
27 14 13 16-0516	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,388.38	1,408.34
27 14 13 16-0517	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,351.07	1,408.34
27 14 13 16-0518	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,677.81	1,408.34
27 14 13 16-0519	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,731.55	1,549.18



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0520 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 14 13 16-0504)		
27 14 13 16-0521 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,915.36	1,408.34
27 14 13 16-0522 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,372.89	1,408.34
27 14 13 16-0523 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,272.46	1,408.34
27 14 13 16-0524 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,071.62	1,408.34
27 14 13 16-0525 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,894.79	1,408.34
27 14 23 Communications Optical Fiber Cabling ^(27 14)		
27 14 23 13 Communications Optical Fiber Splicing And Terminations ^(27 14 23)		
27 14 23 13-0001 Fiber Optic Cable Connectors ^(27 14 23 13)		
27 14 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable	23.48	
27 14 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable	26.97	
27 14 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable	26.07	
27 14 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable	30.52	
27 14 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable	35.54	
27 14 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable	36.58	
27 14 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable	52.68	
27 14 23 13-0009 Fiber Optic Cable Fan Out Kits ^(27 14 23 13)		
27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable ^(27 14 23 13-0009)		
27 14 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	191.33	
27 14 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	195.02	
27 14 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	236.68	
27 14 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	272.86	
27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable ^(27 14 23 13-0009)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	237.86	
27 14 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	265.03	
27 14 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	364.95	
27 14 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	474.35	
27 14 23 13-0020 Fiber Optic Cable Splice Closures ^(27 14 23 13)		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	520.71	82.23
27 14 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	685.16	164.45
27 14 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	685.16	164.45
27 14 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	843.07	82.23
27 14 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,007.52	164.45
27 14 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,007.52	164.45
27 14 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure	38.52	10.27
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028 Fiber Optic Cable Splicing ^(27 14 23 13)		
27 14 23 13-0029 EA Single Strand, Fusion Splice Of Fiber Optic Cable	24.67	
27 14 23 13-0030 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	82.23	
27 14 23 13-0031 Fiber Optic Cable Testing ^(27 14 23 13)		
Note: Price based on testing one wavelength.		
27 14 23 13-0032 Fiber Optic Cable Testing Using An OTDR ^(27 14 23 13-0031)		
Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	16.45	
For >12 To 48 Strands, Deduct		-1.23
For >48 Strands, Deduct		-1.65
27 14 23 13-0034 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	24.67	
For >12 To 48 Strands, Deduct		-1.85
For >48 Strands, Deduct		-2.47
27 14 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	41.11	
For >12 To 48 Strands, Deduct		-3.08
For >48 Strands, Deduct		-4.11
27 14 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	61.67	
For >12 To 48 Strands, Deduct		-4.63
For >48 Strands, Deduct		-6.17
27 14 23 13-0037 Fiber Optic Cable Testing Using A Power Meter ^(27 14 23 13-0031)		
27 14 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	16.45	
For >12 To 48 Strands, Deduct		-1.23
For >48 Strands, Deduct		-1.65

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0039 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	24.67 -1.85 -2.47	
27 14 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0031)		
27 14 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	16.45 -1.23 -1.65	
27 14 23 13-0042 Other Fiber Optic Cable Equipment (27 14 23 13)		
27 14 23 13-0043 EA 8 Port Ethernet Switch	588.35	161.76
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth Note: Patch antenna with 1 meter 3' SMA-N cable	792.29	161.76
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge..... Note: 8VDC input	17,361.73	161.76
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	183.30	20.26
27 14 23 13-0047 EA Hardened Ethernet Switch	1,866.00	80.98
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	48,238.63	1,943.55
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	60,006.11	2,591.41
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber	852.80	161.96
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	923.55	80.98
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	780.75	80.98
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,004.53	121.47
27 14 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems).....	740.33	
27 14 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.....	740.33	
27 14 23 13-0056 Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0057 EA Fiber Optic Finger Splice	27.85	15.45
27 14 23 13-0058 EA Fiber Optic Splice Box - Manholes.....	4,123.15	
27 14 23 16 Communications Optical Fiber Cabling (27 14 23)		
27 14 23 16-0001 Indoor Fiber Optic Cable (27 14 23 16) Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Excludes conduit or innerduct.		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	778.93	296.01
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	864.99	296.01
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	893.73	296.01
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	996.07 1,256.73 1,334.92	296.01
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,025.41	296.01
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,202.77 1,299.62 1,386.56	296.01
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,143.45	345.35
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,090.88 1,625.95 1,592.41	345.35
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,810.92 1,714.06 1,525.17	345.35
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,950.57 1,798.39 1,598.36	345.35
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,831.24	345.35
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,065.43	345.35
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,297.31	345.35
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,497.17	394.68
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,177.04	394.68
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	803.71	296.01
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	907.04	296.01
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,046.47	296.01
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,272.76	296.01
<i>For Aluminum Armored Cable, Add</i>	<i>1,236.71</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,311.34</i>	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,384.74	296.01
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,815.44	296.01
<i>For Aluminum Armored Cable, Add</i>	<i>1,268.92</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,351.92</i>	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,599.34	345.35
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,096.67	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,778.52</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,746.52</i>	
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,259.54	345.35
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,293.68	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,913.32</i>	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,295.04	345.35
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,359.32	345.35
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,742.18	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,413.10</i>	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,776.58	394.68
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,480.21	394.68
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	819.23	296.01
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	927.73	296.01
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,074.13	296.01
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,311.73	296.01
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,429.31	296.01
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,881.54	296.01
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,750.52	345.35
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,272.72	345.35
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,493.73	345.35
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,579.59	345.35
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,631.01	345.35
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,748.51	345.35
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,250.51	345.35
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,532.52	394.68
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,471.33	394.68
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,576.61	296.01
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,897.58	296.01
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,603.72	296.01
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,940.71	296.01

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27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,236.54	296.01
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,510.46	345.35
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,989.60	345.35
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,293.76	345.35
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,210.67	345.35
27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,887.82	296.01
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,042.58	296.01
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,676.01	296.01
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,293.13	296.01
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,046.35	296.01
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,279.20	345.35
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,825.10	345.35
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,318.80	345.35
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,454.54	345.35
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,957.54	296.01
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,120.04	296.01
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,785.14	296.01
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,433.11	296.01
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,224.00	296.01
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,514.38	345.35
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,137.58	345.35
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,805.96	345.35
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,098.49	345.35
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	717.33	296.01
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	720.71	296.01
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	898.15	296.01
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	918.92	296.01
<i>For Aluminum Armored Cable, Add</i>	961.51	
<i>For Steel Armored Cable, Add</i>	1,608.90	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,023.44	296.01
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,042.99	296.01
<i>For Aluminum Armored Cable, Add</i>	1,030.62	
<i>For Steel Armored Cable, Add</i>	1,677.95	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,367.44	345.35
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,039.38	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	670.36	
<i>For Steel Armored Cable, Add</i>	765.95	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,817.94	345.35
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,943.23	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	128.55	
<i>For Steel Armored Cable, Add</i>	279.17	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,962.80	345.35
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,051.37	345.35
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,313.64	345.35
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	802.04	296.01



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27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	791.67	296.01
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,050.09	296.01
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,150.01	296.01
For Aluminum Armored Cable, Add	1,083.11	
For Steel Armored Cable, Add	1,730.47	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,383.12	296.01
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,686.14	296.01
For Aluminum Armored Cable, Add	1,092.84	
For Steel Armored Cable, Add	1,740.15	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,271.28	345.35
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,607.26	345.35
For Aluminum Armored Cable With Sub-Units, Add	306.61	
For Steel Armored Cable, Add	608.79	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,914.55	345.35
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,743.00	345.35
For Aluminum Armored Cable With Sub-Units, Add	150.22	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,809.02	345.35
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,465.51	345.35
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,853.38	345.35
For Aluminum Armored Cable With Sub-Units, Add	1,267.53	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	817.48	296.01
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	806.59	296.01
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,077.93	296.01
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,182.84	296.01
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,427.61	296.01
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,745.78	296.01
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,456.07	345.35
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,808.84	345.35
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,231.50	345.35
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,101.38	345.35
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,220.70	345.35
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,960.00	345.35
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,517.27	345.35
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,558.23	296.01
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,948.75	296.01
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,887.58	296.01
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,807.67	296.01
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,276.11	296.01
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,984.93	345.35
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,028.62	345.35
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,794.82	345.35
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,748.08	345.35
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		



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27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,181.39	296.01
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,013.15	296.01
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,503.66	296.01
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,189.05	296.01
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,497.37	296.01
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,295.04	345.35
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,777.14	345.35
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,860.56	345.35
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,374.23	345.35
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,265.79	296.01
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,139.14	296.01
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,654.17	296.01
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,373.84	296.01
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,747.57	296.01
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,631.01	345.35
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,187.22	345.35
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,474.80	345.35
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,214.16	345.35
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>		
Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	943.38	394.68
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,029.44	394.68
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,058.18	394.68
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,160.52	394.68
<i>For Aluminum Armored Cable, Add</i>		
	1,256.73	
<i>For Steel Armored Cable, Add</i>		
	1,334.92	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,189.86	394.68
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,367.22	394.68
<i>For Aluminum Armored Cable, Add</i>		
	1,299.62	
<i>For Steel Armored Cable, Add</i>		
	1,386.56	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,307.90	444.01
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,255.33	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	1,625.95	
<i>For Steel Armored Cable, Add</i>		
	1,592.41	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,975.37	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	1,714.06	
<i>For Steel Armored Cable, Add</i>		
	1,525.17	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,115.02	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	1,798.39	
<i>For Steel Armored Cable, Add</i>		
	1,598.36	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,995.69	444.01
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,229.88	444.01
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,461.76	444.01
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,661.62	493.35
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,341.49	493.35
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	968.16	394.68



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0180	MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,071.49	394.68
27 14 23 16-0181	MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,210.92	394.68
27 14 23 16-0182	MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,437.21	394.68
	<i>For Aluminum Armored Cable, Add</i>		1,236.71	
	<i>For Steel Armored Cable, Add</i>		1,311.34	
27 14 23 16-0183	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,549.19	394.68
27 14 23 16-0184	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,979.89	394.68
	<i>For Aluminum Armored Cable, Add</i>		1,268.92	
	<i>For Steel Armored Cable, Add</i>		1,351.92	
27 14 23 16-0185	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,763.79	444.01
27 14 23 16-0186	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	4,261.12	444.01
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,778.52	
	<i>For Steel Armored Cable, Add</i>		1,746.52	
27 14 23 16-0187	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,423.99	444.01
27 14 23 16-0188	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	6,458.13	444.01
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,913.32	
27 14 23 16-0189	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	7,459.49	444.01
27 14 23 16-0190	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	8,523.77	444.01
27 14 23 16-0191	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	10,906.63	444.01
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,413.10	
27 14 23 16-0192	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	15,941.03	493.35
27 14 23 16-0193	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	20,644.66	493.35
27 14 23 16-0194	62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	(27 14 23 16-0161)		
27 14 23 16-0195	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	983.68	394.68
27 14 23 16-0196	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,092.18	394.68
27 14 23 16-0197	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,238.58	394.68
27 14 23 16-0198	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,476.18	394.68
27 14 23 16-0199	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,593.76	394.68
27 14 23 16-0200	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,045.99	394.68
27 14 23 16-0201	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,914.97	444.01
27 14 23 16-0202	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	4,437.17	444.01
27 14 23 16-0203	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,658.18	444.01
27 14 23 16-0204	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	6,744.04	444.01
27 14 23 16-0205	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	7,795.46	444.01
27 14 23 16-0206	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	8,912.96	444.01
27 14 23 16-0207	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	11,414.96	444.01
27 14 23 16-0208	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	16,696.97	493.35
27 14 23 16-0209	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	21,635.78	493.35
27 14 23 16-0210	Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	(27 14 23 16-0160)		
27 14 23 16-0211	Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	(27 14 23 16-0210)		
27 14 23 16-0212	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	1,741.06	394.68
27 14 23 16-0213	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,062.03	394.68
27 14 23 16-0214	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,768.17	394.68
27 14 23 16-0215	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,105.16	394.68
27 14 23 16-0216	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,400.99	394.68
27 14 23 16-0217	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,674.91	444.01
27 14 23 16-0218	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	7,154.05	444.01
27 14 23 16-0219	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	10,088.21	444.01
27 14 23 16-0220	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	12,375.12	444.01
27 14 23 16-0221	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	(27 14 23 16-0210)		
27 14 23 16-0222	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,052.27	394.68
27 14 23 16-0223	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,207.03	394.68
27 14 23 16-0224	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,840.46	394.68
27 14 23 16-0225	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,457.58	394.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,210.80	394.68
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,443.65	444.01
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,989.55	444.01
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,483.25	444.01
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,618.99	444.01
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0210)		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,121.99	394.68
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,284.49	394.68
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,949.59	394.68
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,597.56	394.68
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,388.45	394.68
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,678.83	444.01
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,302.03	444.01
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,970.41	444.01
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,262.94	444.01
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0159)		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0241)		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0242)		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	881.78	394.68
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	885.16	394.68
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,062.60	394.68
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,083.37	394.68
For Aluminum Armored Cable, Add	961.51	
For Steel Armored Cable, Add	1,608.90	
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,187.89	394.68
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,207.44	394.68
For Aluminum Armored Cable, Add	1,030.62	
For Steel Armored Cable, Add	1,677.95	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,531.89	444.01
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,203.83	444.01
For Aluminum Armored Cable With Sub-Units, Add	670.36	
For Steel Armored Cable, Add	765.95	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,982.39	444.01
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,107.68	444.01
For Aluminum Armored Cable With Sub-Units, Add	128.55	
For Steel Armored Cable, Add	279.17	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,127.25	444.01
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,215.82	444.01
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,478.09	444.01
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0242)		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	966.49	394.68
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	956.12	394.68
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,214.54	394.68
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,314.46	394.68
For Aluminum Armored Cable, Add	1,083.11	
For Steel Armored Cable, Add	1,730.47	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,547.57	394.68
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,850.59	394.68
For Aluminum Armored Cable, Add	1,092.84	
For Steel Armored Cable, Add	1,740.15	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,435.73	444.01
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,771.71	444.01
For Aluminum Armored Cable With Sub-Units, Add	306.61	
For Steel Armored Cable, Add	608.79	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,079.00	444.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,907.45	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	150.22	
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,973.47	444.01
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,629.96	444.01
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,017.83	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,267.53	
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	981.93	394.68
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	971.04	394.68
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,242.38	394.68
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,347.29	394.68
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,592.06	394.68
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,910.23	394.68
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,620.52	444.01
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,973.29	444.01
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,395.95	444.01
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,265.83	444.01
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,385.15	444.01
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,124.45	444.01
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,681.72	444.01
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,722.68	394.68
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,113.20	394.68
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,052.03	394.68
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,972.12	394.68
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,440.56	394.68
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,149.38	444.01
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,193.07	444.01
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,959.27	444.01
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,912.53	444.01
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,345.84	394.68
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,177.60	394.68
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,668.11	394.68
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,353.50	394.68
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,661.82	394.68
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,459.49	444.01
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,941.59	444.01
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,025.01	444.01
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,538.68	444.01
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,430.24	394.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,303.59	394.68
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,818.62	394.68
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,538.29	394.68
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,912.02	394.68
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,795.46	444.01
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,351.67	444.01
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,639.25	444.01
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,378.61	444.01
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,192.80	296.01
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,842.63	296.01
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,194.32	345.35
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,957.00	345.35
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,423.27	296.01
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,175.60	296.01
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,645.65	345.35
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	10,720.05	345.35
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,357.25	394.68
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,007.08	394.68
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,358.77	444.01
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	4,121.45	444.01
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,587.72	394.68
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,340.05	394.68
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,810.10	444.01
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,884.50	444.01
27 14 23 16-0338 Outdoor Fiber Optic Cable (27 14 23 16)		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338) Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0339)		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0340)		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add 127.11	1,223.38	592.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,236.82 127.30	592.03
27 14 23 16-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,250.45 127.29	592.03
27 14 23 16-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,263.89 127.48	592.03
27 14 23 16-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,290.94 127.67	592.03
27 14 23 16-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,355.16 123.19	592.03
27 14 23 16-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,395.48 123.75	592.03
27 14 23 16-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,491.41 131.03	592.03
27 14 23 16-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,592.39 132.34	592.03
27 14 23 16-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,691.87 133.65	592.03
27 14 23 16-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,823.09 160.71	592.03
27 14 23 16-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,082.16 172.47	592.03
27 14 23 16-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,342.54 204.20	592.03
27 14 23 16-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,612.26 220.24	592.03
27 14 23 16-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,351.36 127.92	592.03
27 14 23 16-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,490.67 130.84	592.03
27 14 23 16-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,633.27 131.22	592.03
27 14 23 16-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,774.38 131.78	592.03
27 14 23 16-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,056.59 134.02	592.03
27 14 23 16-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,502.69 135.89	592.03
27 14 23 16-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,926.01 137.38	592.03
27 14 23 16-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,786.85 162.39	592.03
27 14 23 16-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,652.91 174.34	592.03
27 14 23 16-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,517.68 186.27	592.03
27 14 23 16-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,426.67 223.79	592.03
27 14 23 16-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,259.78 257.02	592.03
27 14 23 16-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,113.98 310.39	592.03
27 14 23 16-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,004.94 313.01	592.03
27 14 23 16-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,282.98 107.06	592.03
27 14 23 16-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,385.91 114.81	592.03
27 14 23 16-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,488.69 122.37	592.03
27 14 23 16-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,615.65 139.32	592.03
27 14 23 16-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,797.48 145.27	592.03
27 14 23 16-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,118.95 154.83	592.03
27 14 23 16-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,423.46 178.05	592.03
27 14 23 16-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,006.27 197.86	592.03
27 14 23 16-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,687.94 227.50	592.03
27 14 23 16-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,317.56 244.80	592.03

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,982.09 277.08	592.03
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,326.12 311.53	592.03
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,691.72 353.56	592.03
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,078.41 324.76	592.03
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0387)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,313.34 158.66	592.03
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,326.97 158.66	592.03
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,340.22 159.41	592.03
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,353.85 159.40	592.03
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,380.54 160.53	592.03
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,439.52 162.02	592.03
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,479.84 162.95	592.03
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,580.44 162.21	592.03
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,681.42 167.99	592.03
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,780.91 170.23	592.03
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,919.96 181.06	592.03
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,186.69 206.24	592.03
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,488.32 214.65	592.03
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,734.51 237.24	592.03
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,440.27 162.20	592.03
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,580.07 166.68	592.03
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,587.97 169.24	592.03
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,860.42 174.71	592.03
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.59 183.10	592.03
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,579.40 196.17	592.03
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,999.75 208.49	592.03
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,860.58 253.48	592.03
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,721.23 259.26	592.03
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,584.68 280.36	592.03
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,488.45 309.48	592.03
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,318.01 305.37	592.03
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,266.28 314.50	592.03
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,068.03 356.88	592.03
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,352.49 134.39	592.03
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,453.28 145.27	592.03



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0420	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,553.90 156.15	592.03
27 14 23 16-0421	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,654.69 167.01	592.03
27 14 23 16-0422	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,915.79 179.63	592.03
27 14 23 16-0423	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,171.81 210.50	592.03
27 14 23 16-0424	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,485.53 228.64	592.03
27 14 23 16-0425	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,092.76 282.50	592.03
27 14 23 16-0426	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,711.34 323.67	592.03
27 14 23 16-0427	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,332.05 360.42	592.03
27 14 23 16-0428	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,984.72 401.92	592.03
27 14 23 16-0429	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,309.15 473.92	592.03
27 14 23 16-0430	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,730.26 489.92	592.03
27 14 23 16-0431	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,020.44 505.75	592.03
27 14 23 16-0432			Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0338) Note: Excludes trenching.		
27 14 23 16-0433			Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0432)		
27 14 23 16-0434			Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0433)		
27 14 23 16-0435	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,141.15 127.11	
27 14 23 16-0436	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.59 127.30	
27 14 23 16-0437	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,168.22 127.29	
27 14 23 16-0438	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,181.66 127.48	
27 14 23 16-0439	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,208.71 127.67	
27 14 23 16-0440	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,272.93 123.19	
27 14 23 16-0441	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,313.25 123.75	
27 14 23 16-0442	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,409.18 131.03	
27 14 23 16-0443	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,510.16 132.34	
27 14 23 16-0444	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,609.64 133.65	
27 14 23 16-0445	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,740.86 160.71	
27 14 23 16-0446	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,999.93 172.47	
27 14 23 16-0447	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,260.31 204.20	
27 14 23 16-0448	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,530.03 220.24	
27 14 23 16-0449			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0433)		
27 14 23 16-0450	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,269.13 127.92	
27 14 23 16-0451	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,408.44 130.84	
27 14 23 16-0452	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,551.04 131.22	
27 14 23 16-0453	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,692.15 131.78	
27 14 23 16-0454	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,974.36 134.02	
27 14 23 16-0455	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,420.46 135.89	
27 14 23 16-0456	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,843.78 137.38	
27 14 23 16-0457	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,704.62 162.39	
27 14 23 16-0458	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,570.68 174.34	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,435.45 186.27	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,344.44 223.79	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,177.55 257.02	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,031.75 310.39	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,922.71 313.01	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,200.75 107.06	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,303.68 114.81	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,406.46 122.37	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,533.42 139.32	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,715.25 145.27	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,036.72 154.83	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,341.23 178.05	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,924.04 197.86	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,605.71 227.50	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,235.33 244.80	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,899.86 277.08	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,243.89 311.53	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,609.49 353.56	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,996.18 324.76	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,231.11 158.66	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,244.74 158.66	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,257.99 159.41	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,271.62 159.40	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,298.31 160.53	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,357.29 162.02	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,397.61 162.95	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,498.21 162.21	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,599.19 167.99	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,698.68 170.23	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,837.73 181.06	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,104.46 206.24	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,406.09 214.65	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,652.28 237.24	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,358.04 162.20	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0497	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,497.84 166.68	
27 14 23 16-0498	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,505.74 169.24	
27 14 23 16-0499	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,778.19 174.71	
27 14 23 16-0500	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,058.36 183.10	
27 14 23 16-0501	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,497.17 196.17	
27 14 23 16-0502	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,917.52 208.49	
27 14 23 16-0503	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,778.35 253.48	
27 14 23 16-0504	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,639.00 259.26	
27 14 23 16-0505	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,502.45 280.36	
27 14 23 16-0506	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,406.22 309.48	
27 14 23 16-0507	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,235.78 305.37	
27 14 23 16-0508	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,184.05 314.50	
27 14 23 16-0509	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,985.80 356.88	
27 14 23 16-0510			62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0511	MLF		2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,270.26 134.39	
27 14 23 16-0512	MLF		4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,371.05 145.27	
27 14 23 16-0513	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,471.67 156.15	
27 14 23 16-0514	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,572.46 167.01	
27 14 23 16-0515	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,833.56 179.63	
27 14 23 16-0516	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,089.58 210.50	
27 14 23 16-0517	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,403.30 228.64	
27 14 23 16-0518	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,010.53 282.50	
27 14 23 16-0519	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,629.11 323.67	
27 14 23 16-0520	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,249.82 360.42	
27 14 23 16-0521	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,902.49 401.92	
27 14 23 16-0522	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,226.92 473.92	
27 14 23 16-0523	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,637.98 489.92	
27 14 23 16-0524	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,938.21 505.75	
27 14 23 16-0525			(Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526			Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527			Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,311.42 123.93	2,247.73
27 14 23 16-0529	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,326.91 124.50	2,247.73
27 14 23 16-0530	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,342.59 124.87	2,247.73
27 14 23 16-0531	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,358.46 125.24	2,247.73
27 14 23 16-0532	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,389.63 126.18	2,247.73
27 14 23 16-0533	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,457.01 128.23	2,247.73
27 14 23 16-0534	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,503.86 129.91	2,247.73
27 14 23 16-0535	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,619.77 133.27	2,247.73

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,709.55 151.75	2,247.73
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,842.63 154.74	2,247.73
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,966.38 175.08	2,247.73
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,253.27 194.30	2,247.73
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,542.02 226.03	2,247.73
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,847.38 251.04	2,247.73
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,150.08	493.35
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,056.78	493.35
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,076.57	493.35
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,306.53	493.35
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,821.79	493.35
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,075.67	493.35
27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,067.85	452.24
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,974.55	452.24
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,994.34	452.24
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,224.30	452.24
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,739.56	452.24
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,993.44	452.24
27 14 23 16-0560 Network Communications Cabling And Related Products <small>(27 14 23 16)</small>		
27 14 23 16-0561 EA AC Surge Suppression Assembly.....	249.51	10.27
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	418.46	12.34
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends.....	22.47	1.32
Note: Includes testing.		
27 14 23 16-0564 EA KVM (Keyboard, Video, Mouse) Cable	50.84	1.65
Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565 EA 6' Long USB (Universal Serial Bus) Cable.....	8.06	1.32
Note: Includes testing.		
27 14 23 16-0566 EA 10' Long USB (Universal Serial Bus) Cable.....	9.53	1.65
Note: Includes testing.		
27 14 23 16-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	10.25	1.32
Note: Includes testing.		
27 14 23 16-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	11.72	1.65
Note: Includes testing.		
27 14 23 16-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	16.70	1.32
Note: Includes testing.		
27 14 23 16-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends.....	35.95	1.65
Note: Includes testing.		
27 14 23 16-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	28.39	1.32
Note: Includes testing.		
27 14 23 16-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	35.95	1.65
Note: Includes testing.		
27 14 23 16-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other.....	52.70	1.32
Note: Includes testing.		
27 14 23 16-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other.....	52.70	1.32
Note: Includes testing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 006ESF-T4101D20. Includes testing.	0.62	
27 14 23 16-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 012ESF-T4101D20. Includes testing.	4.88	
27 14 23 16-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 024EW4-T4101D20. Includes testing.	5.97	
27 14 23 16-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 072EW4-T4101D20. Includes testing.	9.69	
27 14 23 16-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 144EW4-T4101D20. Includes testing.	15.21	
27 14 23 16-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 036E81-61131-24. Includes testing.	9.25	
27 14 23 16-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 072E81-T3131-24. Includes testing.	14.17	
27 14 23 16-0582 EA Aerial Storage Unit..... Note: Alcola part no. FSU-16. Includes testing.	69.22	8.22
27 14 23 16-0583 EA Spider Fan-Out Kits With SC Connectors..... Note: Corning part no. SFK-P-12-900-S.	83.68	8.22
27 14 23 16-0584 LF Ultraviolet Resistant Rated Category 6 Cable..... Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.83	0.15
27 14 23 16-0585 LF RG11 Coaxial Cable NEC CMR..... Note: Corning part no. SFK-P-12-900-S.	3.15	1.54
27 14 23 16-0586 LF Outdoor Rated UL Type CL2..... Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.07	
27 14 23 16-0587 LF Indoor Plenum Rated UL Type CMP..... Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.33	1.54
27 14 33 Communications Coaxial Cabling (27 14)		
27 14 33 16 Communications Coaxial Cabling (27 14 33)		
27 14 33 16-0001 Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002 Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0002)		
27 14 33 16-0004 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	977.55	345.35
27 14 33 16-0005 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,124.11	345.35
27 14 33 16-0006 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	851.37	394.68
27 14 33 16-0007 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,657.98	394.68
27 14 33 16-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0002)		
27 14 33 16-0009 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,553.12	690.69
27 14 33 16-0010 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	2,699.68	690.69
27 14 33 16-0011 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,509.17	789.36
27 14 33 16-0012 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,315.78	789.36
27 14 33 16-0013 Coaxial Distribution Cable (27 14 33 16-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0014 MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,528.88	240.55
27 14 33 16-0015 MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	5,385.75	240.55
27 14 33 16-0016 MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	2,890.68	254.08
27 14 33 16-0017 MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,615.16	254.08
27 14 33 16-0018 MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,246.46	300.69
27 14 33 16-0019 MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,647.56	300.69
27 14 33 16-0020 MLF RG-11/U Coaxial Distribution Cable, In Plenum.....	10,408.43	601.38
27 14 33 16-0021 MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,141.32	210.49
27 14 33 16-0022 MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,284.88	210.49
27 14 33 16-0023 MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,537.78	210.49
27 14 33 16-0024 MLF RG-58/U Coaxial Distribution Cable, In Plenum.....	3,715.85	420.96
27 14 33 16-0025 MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	1,812.03	210.49
27 14 33 16-0026 MLF RG-59/U Coaxial Distribution Cable, In Plenum.....	4,468.30	420.96
27 14 33 16-0027 MLF 1/2" Hard Line Coaxial, In Conduit.....	1,869.95	420.96
27 14 33 16-0028 Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
Note: Corrugated steel armor jacket.		
27 14 33 16-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	4,409.99	1,125.48
27 14 33 16-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	2,797.96	791.63
27 14 33 16-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,320.87	467.04
27 14 33 16-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,315.23	467.04
27 14 33 16-0034 MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	1,972.05	729.77



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 43 Communications Faceplates And Connectors (27 14)

27 14 43 00-0001	EA	Wall Mounted Telephone Faceplates (27 14 43) Note: Includes standard telephone mounting studs.		
27 14 43 00-0002	EA	Plastic Faceplates For Wall Mounted Telephones (27 14 43 00-0001)		
27 14 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	26.87	10.27
27 14 43 00-0004	EA	Stainless Steel Faceplates For Wall Mounted Telephones (27 14 43 00-0001)		
27 14 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	22.77	4.11
27 14 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	40.21	10.27
27 14 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.87	12.34
27 14 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	21.92	4.11
27 14 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	36.62	10.27
27 14 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	43.37	12.34
27 14 43 00-0011	EA	Plastic Communications Faceplates (27 14 43) Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	9.41	2.06
27 14 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0022	EA	Stainless Steel Communications Faceplates (27 14 43) Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0023	EA	Stainless Steel Communications Faceplates (27 14 43 00-0022)		
27 14 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....	12.12	2.06
27 14 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	12.12	2.06
27 14 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	12.12	2.06
27 14 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	12.95	2.06
27 14 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate.....	12.95	2.06
27 14 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate.....	17.42	2.06
27 14 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	17.94	2.06
27 14 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	20.74	2.06
27 14 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	20.74	2.06
27 14 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	20.74	2.06
27 14 43 00-0034	EA	Stainless Steel Communications Faceplates With Station ID (27 14 43 00-0022)		
27 14 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.32	2.06
27 14 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.32	2.06
27 14 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.16	2.06
27 14 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	37.16	2.06
27 14 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0045	EA	Surface Mount Plastic Communication Boxes (27 14 43) Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	23.55	10.29
27 14 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	24.07	10.29
27 14 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	27.66	10.29
27 14 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	31.92	10.29
27 14 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	36.38	10.29
27 14 43 00-0051	EA	Snap-In Modular Jacks (27 14 43) Note: Includes termination.		
27 14 43 00-0052	EA	Cat 3, Snap-In Modular Jack	22.39	8.23
27 14 43 00-0053	EA	Cat 5E, Snap-In Modular Jack	23.54	8.23
27 14 43 00-0054	EA	Cat 5E Shielded, Snap-In Modular Jack	26.96	8.23
27 14 43 00-0055	EA	Cat 6, Snap-In Modular Jack	26.96	8.23
27 14 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack.....	30.81	8.23
27 14 43 00-0057	EA	Voice, RJ-11, Snap-In Modular Jack.....	14.30	4.12
27 14 43 00-0058	EA	SC Type Fiber Optic, Snap-In Modular Jack.....	24.99	8.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0059 EA ST Type Fiber Optic, Snap-In Modular Jack.....	27.90	8.23
27 14 43 00-0060 EA LC Type Fiber Optic, Snap-In Modular Jack.....	33.61	8.23
27 14 43 00-0061 EA Blank Fill In, Snap-In Modular Jack.....	4.66	2.06
27 14 43 00-0062 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	5.19	2.06
27 14 43 00-0063 EA Coaxial F-Type Coupler, Snap-In Modular Jack.....	18.70	6.17
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>		
	1.11	
27 14 43 00-0064 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	18.91	6.17
Note: Includes female to female connection.		
27 14 43 00-0065 EA RCA Solder Coupler, Snap-In Modular Jack.....	37.83	8.23
27 14 43 00-0066 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	46.25	8.23
27 14 43 00-0067 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	23.22	8.23
27 14 43 00-0068 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	24.31	4.12
27 14 43 00-0069 EA BNC Connector, Snap-In Modular Jack.....	26.65	8.23
27 14 43 00-0070 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	29.77	8.23
27 14 43 00-0071 PR Speaker Connectors, Snap-In Modular Jack.....	37.61	12.36
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0072 EA USB Audio Video Connector, Snap-In Modular Jack.....	44.11	8.23
27 14 43 00-0073 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0074 EA Label Both Ends Of One 4 Pair Cable.....	16.19	
27 14 43 00-0075 EA Label single gang face plate (2 labels required).....	12.95	
27 14 43 00-0076 EA Label two gang face plate (4 labels required).....	19.42	
27 14 43 00-0077 EA Label both ends of a Siamese (dual 4 Pair cable).....	16.19	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,044.60	1,233.37
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,965.21	1,644.50
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,205.47	2,055.63
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,113.80	2,466.75
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	4,274.06	1,233.37
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	5,403.68	1,644.50
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,111.14	2,055.63
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,572.73	2,466.75
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	3,866.85	1,644.50
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	4,787.46	2,055.63
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,027.73	2,466.75
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,936.04	2,877.88
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,096.31	1,644.50
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,225.93	2,055.63
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,933.40	2,466.75
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,394.97	2,877.88
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	2,897.06	1,233.37
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,747.64	1,644.50
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	4,765.57	2,055.63
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit.....	5,697.50	2,466.75
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench.....	2,074.81	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	2,925.39	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	3,943.32	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench.....	4,875.24	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 63 00-0001	Communications Multimedia Modular Patch Panels <small>(27 14 63)</small>		
	Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 63 00-0002	EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	70.59	4.11
27 14 63 00-0003	EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	77.83	4.11
27 14 63 00-0004	EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	91.83	4.11
27 14 63 00-0005	EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	96.13	4.11
27 14 63 00-0006	EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	105.27	5.14
27 14 63 00-0007	EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	99.70	4.11
27 14 63 00-0008	EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	125.11	5.14
27 14 63 00-0009	EA Rack Mount Rear Cable Management Bar.....	35.25	5.14

27 16 Communications Connecting Cords, Devices, And Adapters (27 16)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001	Fiber Optic Receivers <small>(27 16 16)</small>		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles.....	585.52	41.11
27 16 16 00-0003	EA Fiber Optic MM Dual Video Receiver, Manual Gain.....	590.36	80.98
	Note: With video presence Ind, RM.		
27 16 16 00-0004	Fiber Optic Transmitters <small>(27 16 16)</small>		
27 16 16 00-0005	EA Fiber Optic Transmitter, Range 6.2 Miles.....	585.51	41.11
27 16 16 00-0006	EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	590.36	80.98
27 16 16 00-0007	Fiber Optic Repeaters <small>(27 16 16)</small>		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	667.73	82.23
27 16 16 00-0009	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,054.74	164.45
27 16 16 00-0010	Fiber Optic Transceivers <small>(27 16 16)</small>		
27 16 16 00-0011	EA Fiber Optic Transceivers, 3,000 Miles Range.....	713.35	164.45
27 16 16 00-0012	EA Fiber Optic Transceivers, Digital 2,000 Miles Range.....	713.35	164.45
27 16 16 00-0013	EA Fiber Optic Ethernet Transceiver.....	934.30	246.68
27 16 16 00-0014	EA Transceiver (Low Cost Bi- Directional).....	333.13	61.67

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001	Cross Connect Wire <small>(27 16 19)</small>		
	Note: Up to 20' length.		
27 16 19 00-0002	EA 2-Pair Cross Connect Wire.....	13.23	
27 16 19 00-0003	EA 3-Pair Cross Connect Wire.....	17.73	
27 16 19 00-0004	EA 4-Pair Cross Connect Wire.....	22.17	
27 16 19 00-0005	Fiber Optic Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0006	Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0005)</small>		
27 16 19 00-0007	Singlemode, Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0006)</small>		
27 16 19 00-0008	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	29.31	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0009	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	24.21	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0010	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	30.83	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0011	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	25.38	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0012	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	29.09	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0013	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	28.68	
	For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0014	Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0005)</small>		
27 16 19 00-0015	Singlemode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0014)</small>		
27 16 19 00-0016	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	49.78	
	For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0017	EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	48.35	
	For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0018	EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	53.45	
	For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0019	EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	41.94	
	For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0020	EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	49.36	
	For Each Additional Meter In Length, Add.....	0.51	



Communications	27	27
Structured Cabling	27 10	
Communications Connecting Cords, Devices, And Adapters	27 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	48.55 0.51	
27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0014)</small>		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	38.01 1.48	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	41.34 1.48	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	41.68 1.48	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	42.75 1.48	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	38.15 1.48	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	42.94 1.48	
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	50.16 1.48	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	35.08 1.48	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable..... <i>For Each Additional Meter In Length, Add</i>	42.31 1.48	
27 16 19 00-0032 Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail	52.78	28.77
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail	64.87	28.77
27 16 19 00-0035 Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots.....	12.99	
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots.....	13.72	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots.....	14.45	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots.....	19.66	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots.....	21.49	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots.....	25.14	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots.....	14.02	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots.....	14.96	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots.....	15.90	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots.....	21.42	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots.....	23.77	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots.....	28.47	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots.....	40.23	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots.....	67.86	
27 20 Data Communications <small>(27)</small>		
27 21 Data Communications Network Equipment <small>(27 20)</small>		
<small>Note: Includes testing of new devices and certification.</small>		
27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems		
<small>(27 21)</small>		
27 21 16 00-0001 Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles.....	1,167.70	164.45
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,216.20	164.45
27 21 16 00-0004 Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,053.55	123.54
27 21 16 00-0006 EA 16 Port Unmanaged Hub.....	405.59	82.36
27 22 Data Communications Hardware <small>(27 20)</small>		
27 22 19 Data Communications Servers <small>(27 22)</small>		
27 22 19 00-0001 Network Communications Frames And Enclosures <small>(27 22 19)</small>		
27 22 19 00-0002 EA Communications Equipment Enclosure <small>Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72"Hx72"Wx36"D, .0125 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19"/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.</small>	10,591.07	247.09
27 22 19 00-0003 EA Wall Mounted Equipment Cabinet <small>Note: Mid-Atlantic DWR-24-22 PD.</small>	732.01	82.36



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 22 19 00-0004	EA	APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel	5,767.02	
		Note: UI 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 22 19 00-0005		APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel	19,361.20	
		Note: UI 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		

27 24 Data Communications Peripheral Data Equipment (27 20)

27 24 33 Power Supplies, UPS And Battery Backup (27 24)

27 24 33 00-0001 Network Equipment (27 24 33)

27 24 33 00-0002	EA	19" Rack Mountable 110-24T Ethernet Switch	321.89	27.38
		Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.		
27 24 33 00-0003	EA	19" Rack Mountable Station Access Router	1,651.47	143.89
		Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 33 00-0004	EA	19" Rack Mount LCD Monitor	790.01	65.78
		Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 33 00-0005	EA	1000VA UPS (Uninterruptible Power Supply)	755.00	75.17
		Note: APC SUA1000RM2U. Includes testing.		
27 24 33 00-0006	EA	1000VA UPS (Uninterruptible Power Supply)	329.54	75.17
		Note: APC BR1000. Includes testing.		
27 24 33 00-0007	EA	1200VA UPS (Uninterruptible Power Supply)	337.23	75.17
		Note: APC BR1200. Includes testing.		

27 30 Voice Communications (27)

27 31 Voice Communications Switching and Routing Equipment (27 30)

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems (27 31)

27 31 13 00-0001		Interior PBX Telephone System <small>(27 31 13)</small> Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002		Interior PBX Telephone System <small>(27 31 13 00-0001)</small> Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,121.76	428.93
27 31 13 00-0004		Additional Telephones Less Solid State Switching (PBX) <small>(27 31 13 00-0001)</small>		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching	333.97	33.72
27 31 13 00-0006		Telephones <small>(27 31 13 00-0001)</small>		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment	139.62	32.07
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment	161.24	42.76

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System (27 32)

27 32 19 00-0001		Components <small>(27 32 19)</small>		
27 32 19 00-0002	EA	Solid State Exchange Unit With Power Supply	4,059.44	751.37
27 32 19 00-0003	EA	Dial Telephone - Handset In Cabinet	475.34	61.42
27 32 19 00-0004	EA	Elevator Cab Telephone With Trailer Cable	255.82	65.86
27 32 19 00-0005	EA	Loud Ring Bell, 6"	204.68	61.10
27 32 19 00-0006	EA	Audio/Visual Indicator	252.28	57.56
27 32 19 00-0007	EA	Administrative Telephone With Digital Display	259.29	51.64
27 32 19 00-0008	EA	Processing Unit For 16 Station System	1,354.36	421.24
27 32 19 00-0009	EA	Handset For 16 Station System	185.15	41.93
27 32 19 00-0010	EA	Handset In Cabinet, For 16 Station System	250.70	56.57
27 32 19 00-0011	MLF	20 Conductor Unshielded Cable, #22	1,897.50	906.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0012 EA Power Supply For 16 Station System	257.68	111.91
27 32 19 00-0013 EA Intercom Terminal Board	239.14	125.96
27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC	266.00	111.91
27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	126.18	46.01
27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	376.69	101.25
27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	442.96	115.09
27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	535.84	136.21
27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	626.73	147.26
27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	951.28	167.55
27 32 19 00-0021 EA Ring Rung 3"	8.53	4.58
27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	20.69	8.14
27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	38.55	16.69
27 32 19 00-0024 Accessories (27 32 19)		
27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete.....	9.07	4.44
27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	19.02	17.10
27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete	45.42	18.79
27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete.....	43.68	18.79
27 32 19 00-0029 EA Terminating Strips, Inside	88.21	37.59
27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	40.66	19.32
27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair	106.47	45.30
27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair	122.94	50.65
27 32 19 00-0033 EA Termination Block With Bracket 25 Pair	38.98	15.21
27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete	39.96	19.07
27 32 19 00-0035 EA Interior Protected Terminal 25 Pair	400.77	109.85
27 32 19 00-0036 EA Interior Protected Terminal 50 Pair	462.39	111.58
27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair.....	160.88	45.71
27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair.....	165.06	45.71
27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair.....	216.69	58.46
27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair	438.86	105.33
27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair.....	589.90	120.21
27 32 19 00-0042 EA Gas Protection Module	10.65	4.11
27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair	16.21	3.76
27 32 26 Ring-Down Emergency Telephones (27 32 26)		
27 32 26 00-0001 Emergency Telephone (27 32 26)		
Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	6,021.92	337.96
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,311.04	337.96
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	96.38	
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)	144.56	
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1)	361.41	
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	491.52	
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	539.70	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	9.64	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	9.64	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	86.74	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	915.57	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	424.05	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,373.36	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	2,886.46	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit NightCharge recommended), IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	154.20	
27 32 26 00-0017 EA NightCharge Power Code Blue Option	1,344.44	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	337.32	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	766.19	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option	33.73	
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	475.78	95.88

27 Communications**27 30 Voice Communications****27 32 Voice Communications Terminal Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	447.62	138.87
27 40 Audio-Video Communications (27)		
27 41 Audio-Video Systems (27 40)		
27 41 16 Integrated Audio-Video Systems and Equipment (27 41)		
Note: Includes testing of new devices and certification.		
27 41 16 00-0001 Television Distribution System (27 41 16) See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0012 for basic wiring.		
27 41 16 00-0002 Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	289.07	92.24
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack.....	364.93	102.95
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	299.77	92.24
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack.....	375.63	102.95
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	228.37	74.13
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	304.22	82.36
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	242.41	74.13
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack.....	318.26	82.36
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	256.45	74.13
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack.....	332.30	82.36
27 41 16 00-0013 Distribution System (27 41 16 00-0001) See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves.....	913.39	151.21
27 41 16 00-0016 EA Switch And Pilot Light.....	159.70	67.18
27 41 16 00-0017 LF Surface Raceway With Outlets.....	19.56	9.13
27 41 16 00-0018 EA Service Label.....	23.91	12.58
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier.....	609.30	100.65
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster.....	372.72	100.65
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	456.03	100.65
27 41 16 00-0025 EA UHF Preamplifier.....	372.72	100.65
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply.....	651.47	143.81
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	64.84	33.55
27 41 16 00-0030 EA Two-Way Splitter.....	71.47	33.55
27 41 16 00-0031 EA Frequency Filter.....	148.92	50.40
27 41 16 00-0032 EA Line Splitter And Mixer.....	197.24	74.01
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	276.32	67.18
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	148.92	50.40
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	71.47	33.55
27 41 16 00-0038 EA TV Camera Outlet Plug.....	71.47	33.55
27 41 16 00-0039 EA Audio Outlet Plug.....	63.17	33.55
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	130.54	67.18
27 41 16 00-0041 EA Male Plug PL-259.....	71.47	33.55
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	87.66	35.19
27 41 16 00-0043 Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044 Antenna (27 41 16 00-0043)		
27 41 16 00-0045 EA Amateur Radio Antenna.....	578.63	123.34
27 41 16 00-0046 EA Multi-Band Radio Antenna.....	459.29	123.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0047 Receptacles <small>(27 41 16 00-0043)</small>		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	140.60	50.40
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs	140.60	50.40
27 50 Distributed Communications And Monitoring Systems <small>(27)</small>		
27 51 Distributed Audio-Video Communications Systems <small>(27 50)</small>		
27 51 23 Intercommunications And Program Systems <small>(27 51)</small>		
27 51 23 20 Commercial Intercommunications And Program Systems <small>(27 51 23)</small>		
27 51 23 20-0001 Intercom <small>(27 51 23 20)</small>		
27 51 23 20-0002 EA Aiphone Intercom, Master	1,046.43	
27 51 23 20-0003 EA Aiphone Intercom, Remotes	388.35	
27 51 33 Sound Reinforcement <small>(27 51)</small>		
Note: Includes testing of new devices and certification.		
27 51 33 00-0001 Amplifiers <small>(27 51 33)</small>		
27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	325.97	82.36
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	446.86	82.36
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	531.44	82.36
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	587.86	82.36
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	724.61	82.36
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	929.10	82.36
27 51 33 00-0008 Speakers <small>(27 51 33)</small>		
27 51 33 00-0009 EA Atlas/Soundlier Speaker Model FD72W Recessed Mounted	276.01	22.04
27 51 33 00-0010 EA Atlas/Soundlier Speaker Model FD72W	190.97	18.74
27 51 33 00-0011 EA Atlas/Soundlier Baffle Model 51-8	29.92	4.11
27 51 33 00-0012 EA Atlas/Soundlier T-Bar Support	28.49	4.11
27 51 33 00-0013 EA Atlas/Soundlier Black Box Model Q408	89.17	4.11
27 51 33 00-0014 EA Atlas/Soundlier And Relay Assembly, At -10-PA With Box	88.61	7.40
27 51 33 00-0015 EA Atlas-Soundlier Speaker Model: EZSV1-2K	130.13	20.40
27 51 33 00-0016 Accessories <small>(27 51 33)</small>		
27 51 33 00-0017 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	164.52	10.29
27 51 33 00-0018 EA Tape Deck For Audio/Video System	119.95	10.29
27 51 33 00-0019 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	362.94	10.29
27 51 33 00-0020 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	101.40	20.59
27 51 33 00-0021 EA Trumpet Driver And Line Matching Transformer For Audio/Video System	178.58	20.59
27 51 33 00-0022 EA Headset Microphone For Audio/Video System	133.44	20.56
27 51 33 00-0023 EA Microphone Jack For Audio/Video System	67.57	20.59
27 51 33 00-0024 EA Terminal Cabinet For Audio/Video System	523.18	82.36
27 51 33 00-0025 EA Volume Control For Audio/Video System (Bogen AT10A)	65.08	20.59
27 51 33 00-0026 Remove And Reinstall Speakers <small>(27 51 33)</small>		
Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0027 EA Remove And Reinstall Ceiling Mounted Speaker	115.12	
27 53 Distributed Systems <small>(27 50)</small>		
27 53 13 Clock Systems <small>(27 53)</small>		
27 53 13 00-0001 Wired Self-Corrective Clock Systems <small>(27 53 13)</small>		
27 53 13 00-0002 Wired Self-Corrective Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) <small>(27 53 13 00-0002)</small>		
27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 00-0003)</small>		
27 53 13 00-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	177.98	20.56
For >50 To 100, Deduct	-11.63	
For >100, Deduct	-17.10	
27 53 13 00-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	422.26	20.56
For >50 To 100, Deduct	-21.40	
For >100, Deduct	-36.65	
27 53 13 00-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	223.02	20.56
For >50 To 100, Deduct	-15.25	
For >100, Deduct	-22.52	
27 53 13 00-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	557.39	20.56
For >50 To 100, Deduct	-57.78	
For >100, Deduct	-78.43	

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0009			120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0010	EA		12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	177.98	20.56
			For >50 To 100, Deduct	-11.63	
			For >100, Deduct	-17.10	
27 53 13 00-0011	EA		12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	422.26	20.56
			For >50 To 100, Deduct	-21.40	
			For >100, Deduct	-36.65	
27 53 13 00-0012	EA		16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	223.02	20.56
			For >50 To 100, Deduct	-15.25	
			For >100, Deduct	-22.52	
27 53 13 00-0013	EA		16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	557.39	20.56
			For >50 To 100, Deduct	-57.78	
			For >100, Deduct	-78.43	
27 53 13 00-0014			Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0015	EA		Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	146.17	10.27
27 53 13 00-0016	EA		Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	37.88	10.27
27 53 13 00-0017	EA		Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	47.85	10.27
27 53 13 00-0018	EA		Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	58.25	10.27
27 53 13 00-0019	EA		Combination Back Box For Speaker And Clock.....	85.73	16.45
27 53 13 00-0020			Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0021			24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0022	EA		2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	219.56	20.56
			For Surface Mount, Add	35.69	
			For >50 To 100, Deduct	-10.71	
			For >100, Deduct	-17.85	
27 53 13 00-0023	EA		4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	337.37	20.56
			For Surface Mount, Add	59.25	
			For >50 To 100, Deduct	-17.78	
			For >100, Deduct	-29.63	
27 53 13 00-0024			120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0025	EA		2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	219.56	20.56
			For Surface Mount, Add	35.69	
			For >50 To 100, Deduct	-10.71	
			For >100, Deduct	-17.85	
27 53 13 00-0026	EA		4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	337.37	20.56
			For Surface Mount, Add	59.25	
			For >50 To 100, Deduct	-17.78	
			For >100, Deduct	-29.63	
27 53 13 00-0027			Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0028	EA		2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	187.95	20.56
			For >50 To 100, Deduct	-8.81	
			For >100, Deduct	-14.68	
27 53 13 00-0029	EA		4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	308.78	20.56
			For >50 To 100, Deduct	-16.06	
			For >100, Deduct	-26.77	
27 53 13 00-0030			Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0031	EA		2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	187.95	20.56
			For >50 To 100, Deduct	-8.81	
			For >100, Deduct	-14.68	
27 53 13 00-0032	EA		4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	308.78	20.56
			For >50 To 100, Deduct	-16.06	
			For >100, Deduct	-26.77	
27 53 13 00-0033			Accessories For Digital Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	199.01	10.27
27 53 13 00-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	48.28	10.27
27 53 13 00-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	66.47	10.27
27 53 13 00-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	173.89	10.27
27 53 13 00-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	49.59	10.27
27 53 13 00-0039			Wired Self-Corrective Master Clocks (27 53 13 00-0001)		
27 53 13 00-0040			Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0041	EA		24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,057.94	164.45
27 53 13 00-0042	EA		120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,187.87	164.45



Communications	27	27
Distributed Communications And Monitoring Systems	27 50	
Distributed Systems	27 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0043 Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0044 EA 5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	213.47	41.11
27 53 13 00-0045 EA 10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	240.75	41.11
 27 53 13 00-0046 Other Clock And Program Systems <small>(27 53 13)</small>		
27 53 13 00-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,005.03	82.23
27 53 13 00-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,249.18	164.45
27 53 13 00-0049 EA Program Bell (Lathem 906-6).....	163.18	41.11
27 53 13 00-0050 EA Combination Clock And Speaker.....	375.38	102.78

END OF SECTION 27

27 Communications

27 50 Distributed Communications And Monitoring Systems

27 53 Distributed Systems



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels where the number of terminations is not known.

28 30 Electronic Detection And Alarm (28)

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 31 Fire Detection And Alarm (28 30)

28 31 23 Fire Detection And Alarm (28 31)

28 31 23 00-0001	EA	Edwards Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0002		EST3 Life Safety And Security Control <small>(28 31 23 00-0001)</small>		
28 31 23 00-0003		EST3 Network <small>(28 31 23 00-0002)</small>		
28 31 23 00-0004		Remote Annunciators <small>(28 31 23 00-0003)</small>		
28 31 23 00-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	818.73	61.77
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0006	EA	Six Position Base Annunciator (EST3 3-6ANN).....	673.30	61.77
		Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN).....	842.88	61.77
		Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0008	EA	Annunciator CPU (EST3 3-ANNCPU3)	549.16	61.77
		Note: One Required per graphic annunciator.		
28 31 23 00-0009	EA	Annunciator Support Module (EST3 3-ANNSM)	105.95	20.59
		Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 31 23 00-0010	EA	Liquid Crystal Display Module (EST3 3-LCD)	364.80	61.77
		Note: Mounts over 3-CPU(1).		
28 31 23 00-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL).....	378.29	61.77
		Note: Mounts over 3-ANNCPU plus two spaces.		
28 31 23 00-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	407.31	61.77
		Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 31 23 00-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	458.34	41.18
		Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 31 23 00-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	77.08	20.59
		Note: Mounts up to three 3-EVDVRA modules.		
28 31 23 00-0015	EA	Central Processor Unit Module (EST3 3-CPU3)	865.52	61.77
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0016	EA	Primary Power Supply With Local Rail Module, 120 Volt, 50/60 Hz (EST3 3-CPU3)	833.10	20.59
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0017		Remote Annunciators Cabinets <small>(28 31 23 00-0003)</small>		
28 31 23 00-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	82.24	20.59
28 31 23 00-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	74.01	16.47
28 31 23 00-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	91.35	20.59
28 31 23 00-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	83.12	16.47
28 31 23 00-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	99.90	20.59
28 31 23 00-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	91.67	16.47
28 31 23 00-0024		Audio And Telephone Masters <small>(28 31 23 00-0003)</small>		
28 31 23 00-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,604.95	82.36
28 31 23 00-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,470.00	82.36
28 31 23 00-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,377.79	82.36
28 31 23 00-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,391.96	82.36
28 31 23 00-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,583.46	82.36
28 31 23 00-0030	EA	Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,463.58	41.18
28 31 23 00-0031		Battery Distribution Unit <small>(28 31 23 00-0003)</small>		
28 31 23 00-0032	EA	Battery Distribution Unit (EST3 3-BTSEN).....	326.47	244.10
28 31 23 00-0033		Remote Booster Power Supply <small>(28 31 23 00-0003)</small>		
28 31 23 00-0034	EA	6.5 Amp, 120 Volt, Booster Power Supply (EST3 BPS6A)	478.26	61.77
28 31 23 00-0035	EA	10 Amp, 110 Volt Booster Power Supply (EST3 BPS10)	541.38	61.77
28 31 23 00-0036	EA	10 Amp, 220 Volt Booster Power Supply (EST3 BPS10220).....	587.88	61.77
28 31 23 00-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	83.77	20.59
28 31 23 00-0038		Batteries And Battery Cabinets <small>(28 31 23 00-0003)</small>		
28 31 23 00-0039	EA	1.2 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V1A2 (1.2 Ah)).....	66.44	20.59
28 31 23 00-0040	EA	4 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V4A (4.5 Ah)).....	80.15	20.59

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0041	EA		24 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V24A (26 Ah)).....	174.75	20.59
28 31 23 00-0042	EA		6.5 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V6A5 (7.2 Ah)).....	85.64	20.59
28 31 23 00-0043	EA		40 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V40A (40 Ah)).....	218.66	20.59
28 31 23 00-0044	EA		10 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V10A (11 Ah)).....	127.75	20.59
28 31 23 00-0045	EA		50 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V50A (50 Ah)).....	432.61	20.59
28 31 23 00-0046	EA		17 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V17A (18 Ah)).....	130.58	20.59
28 31 23 00-0047	EA		65 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V65A (65 Ah)).....	518.64	20.59
28 31 23 00-0048	EA		8.0 Ah Sealed Lead Acid Battery - 6 Volt DC (EST3 6V8A (8 Ah)).....	77.48	20.59
28 31 23 00-0049	EA		10 Ah Sealed Lead Acid Battery - 6 Volt DC (EST3 6V10A (12 Ah)).....	70.63	20.59
28 31 23 00-0050	EA		Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	317.70	82.36
28 31 23 00-0051	EA		Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	280.77	82.36
28 31 23 00-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R).....	647.15	82.36
28 31 23 00-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R).....	792.54	82.36
28 31 23 00-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R).....	1,094.01	82.36
28 31 23 00-0055			Serial Printer (28 31 23 00-0003)		
28 31 23 00-0056	EA		System Printer - Desk Top Style (EST3 PT-1S).....	829.37	20.59
28 31 23 00-0057			Intelligent Analog Initiating Devices (28 31 23 00-0002)		
28 31 23 00-0058			Detectors, Signature (28 31 23 00-0057)		
28 31 23 00-0059	EA		Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	144.47	30.88
28 31 23 00-0060	EA		Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	160.43	30.88
28 31 23 00-0061	EA		Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	139.72	30.88
28 31 23 00-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	125.45	30.88
28 31 23 00-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	130.21	30.88
28 31 23 00-0064	EA		Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	109.54	30.88
28 31 23 00-0065	EA		Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	109.54	30.88
28 31 23 00-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	164.68	30.88
28 31 23 00-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	180.26	30.88
28 31 23 00-0068			Detectors, Duct Housings and Accessories, Signature (28 31 23 00-0057)		
28 31 23 00-0069	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	286.69	51.47
28 31 23 00-0070	EA		Superduct, Test Magnet Kit (EST3 SD-MAG).....	14.43	
28 31 23 00-0071	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	28.19	6.17
28 31 23 00-0072	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	76.42	16.47
28 31 23 00-0073	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	100.56	16.47
28 31 23 00-0074	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	48.90	16.47
28 31 23 00-0075			Detectors, Smoke, Beam (28 31 23 00-0057)		
28 31 23 00-0076	EA		Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	93.95	
28 31 23 00-0077	EA		Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)..... Note: Includes controller and remote mount transmitter and receiver head.	1,096.64	30.88
28 31 23 00-0078	EA		Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	69.58	10.29
28 31 23 00-0079	EA		Replacement Reflector, For EC-50R/100R Reflective Beam Detectors (EST3 23901-01).....	81.79	10.29
28 31 23 00-0080	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,122.29	30.88
28 31 23 00-0081	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R).....	959.13	30.88
28 31 23 00-0082	EA		Remote Test Station, For EC-50R/100R Reflective Beam Detectors (EST3 EC-LLT).....	224.58	10.29
28 31 23 00-0083	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,182.50	30.88
28 31 23 00-0084			Modules, Signature (28 31 23 00-0057)		
28 31 23 00-0085	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	131.82	20.59
28 31 23 00-0086	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	89.70	20.59
28 31 23 00-0087	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	123.88	20.59
28 31 23 00-0088	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	119.09	20.59
28 31 23 00-0089	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	112.80	20.59
28 31 23 00-0090	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	133.46	20.59
28 31 23 00-0091	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	107.97	20.59
28 31 23 00-0092	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	104.86	20.59
28 31 23 00-0093	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	136.65	20.59
28 31 23 00-0094	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	133.46	20.59
28 31 23 00-0095	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	128.70	20.59
28 31 23 00-0096	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	118.84	98.25
28 31 23 00-0097	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)..... Note: Factory programmed for non-latching monitor operation.	89.70	20.59
28 31 23 00-0098	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	137.27	20.59



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0099		Module Accessories, Signature <small>(28 31 23 00-0057)</small>		
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
	28 31 23 00-0100	EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	36.56	10.29
	28 31 23 00-0101	EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	117.55	20.59
	28 31 23 00-0102	EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -MCC2, -UM And -MAB Modules (EST3 235196P).....	14.74	6.17
	28 31 23 00-0103	EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	42.07	10.29
	28 31 23 00-0104	EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	38.11	10.29
	28 31 23 00-0105	EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	39.68	10.29
28 31 23 00-0106		Single Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
	28 31 23 00-0107	EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	153.98	42.83
	28 31 23 00-0108	EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	177.83	42.83
	28 31 23 00-0109	EA GA Key - For Pre Signal Station (EST3 276-K2).....	20.34	16.23
	28 31 23 00-0110	EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	24.94	20.83
	28 31 23 00-0111	EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	43.25	26.77
28 31 23 00-0112		Double Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
	28 31 23 00-0113	EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	158.73	42.83
	28 31 23 00-0114	EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	25.28	4.12
28 31 23 00-0115		Detector Bases and Accessories, Signature <small>(28 31 23 00-0057)</small>		
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
	28 31 23 00-0116	EA Audible (Sounder) Base (EST3 SIGA-AB4G).....	71.85	10.29
	28 31 23 00-0117	EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	30.18	10.29
	28 31 23 00-0118	EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	88.40	10.29
	28 31 23 00-0119	EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	52.46	10.29
	28 31 23 00-0120	EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	60.41	10.29
	28 31 23 00-0121	EA Detector Mounting Plate (EST3 SIGA-DMP).....	92.21	10.29
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
	28 31 23 00-0122	EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	36.56	10.29
	28 31 23 00-0123	EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	14.81	6.17
	28 31 23 00-0124	EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	14.81	6.17
	28 31 23 00-0125	EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	36.28	6.17
	28 31 23 00-0126	EA Detector Base With Isolator (EST3 SIGA-IB).....	59.60	10.29
	28 31 23 00-0127	EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	63.01	10.29
	28 31 23 00-0128	EA Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	53.66	10.29
	28 31 23 00-0129	EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	53.66	10.29
	28 31 23 00-0130	EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	31.37	10.29
28 31 23 00-0131		Controllers, Signature <small>(28 31 23 00-0057)</small>		
	28 31 23 00-0132	EA Signature Dual Driver Controller (EST3 3-SDDC1).....	1,871.36	61.77
	28 31 23 00-0133	EA Single Signature Loop Controller (EST3 3-SSDC1).....	1,086.72	61.77
	28 31 23 00-0134	EA Signature Loop Controller (EST3 3-SDC1).....	979.62	61.77
	28 31 23 00-0135	EA Analog Addressable Loop Controller (EST3 3-AADC1).....	1,550.34	61.77
28 31 23 00-0136		Relays And Accessories <small>(28 31 23 00-0057)</small>		
	28 31 23 00-0137	EA Multi Voltage Relay (EST3 MR101).....	108.55	20.59
	28 31 23 00-0138	EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	34.55	10.29
28 31 23 00-0139		Notification Appliances <small>(28 31 23 00-0002)</small>		
28 31 23 00-0140		Wall Strobes, Horns And Chimes <small>(28 31 23 00-0139)</small>		
	28 31 23 00-0141	EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	95.77	30.88
	28 31 23 00-0142	EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	95.77	30.88
	28 31 23 00-0143	EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	106.84	30.88
	28 31 23 00-0144	EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	83.29	30.88
	28 31 23 00-0145	EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	83.29	30.88
	28 31 23 00-0146	EA Temporal Horn, Hi/Lo dB Output, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	83.29	30.88
	28 31 23 00-0147	EA Temporal Horn, Hi/Lo dB Output, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	83.29	30.88
	28 31 23 00-0148	EA Horn (Steady Tone), 24 Volt, White, Not Compatible With Signal Master (EST3 G1-P).....	72.81	30.88
	28 31 23 00-0149	EA Horn (Steady Tone) - 24 Volt, Red, Not Compatible With Signal Master (EST3 G1R-P).....	72.81	30.88
	28 31 23 00-0150	EA Horn (Steady Tone), 24 Volt, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	72.81	30.88

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0151	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	152.03	30.88
28 31	23 00-0152	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	152.03	30.88
28 31	23 00-0153	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	105.49	30.88
28 31	23 00-0154	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	105.49	30.88
28 31	23 00-0155	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	95.77	30.88
28 31	23 00-0156	EA	Multi-cd Strobe, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	95.77	30.88
28 31	23 00-0157	EA	Multi-cd Strobe, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	95.77	30.88
28 31	23 00-0158	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	95.77	30.88
28 31	23 00-0159	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	98.88	30.88
28 31	23 00-0160	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	98.88	30.88
28 31	23 00-0161	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	106.16	30.88
28 31	23 00-0162	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	98.88	30.88
28 31	23 00-0163	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	98.88	30.88
28 31	23 00-0164	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	65.99	30.88
28 31	23 00-0165	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	65.99	30.88
28 31	23 00-0166		Wall Speakers And Speaker Strobes (28 31 23 00-0139)		
28 31	23 00-0167	EA	Multi-Wattage 25 Volt Speaker (EST3 G4-S2).....	82.35	30.88
28 31	23 00-0168	EA	Multi-Candela/Wattage 25 Volt Speaker-Strobe (EST3 G4-S2VM).....	117.47	30.88
28 31	23 00-0169	EA	Multi-Wattage 70 Volt Speaker (EST3 G4-S7).....	82.35	30.88
28 31	23 00-0170	EA	Multi-Candela/Wattage 70 Volt Speaker-Strobe (EST3 G4-S7VM).....	117.47	30.88
28 31	23 00-0171	EA	Surface Box, White, For Genesis Speaker (EST3 G4B).....	41.51	16.47
28 31	23 00-0172	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	41.51	16.47
28 31	23 00-0173		Ceiling Speakers And Speaker Strobes (28 31 23 00-0139)		
28 31	23 00-0174	EA	Genesis Ceiling Speaker, 70 Volt, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	95.09	30.88
28 31	23 00-0175	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	117.47	30.88
28 31	23 00-0176	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	124.56	30.88
28 31	23 00-0177		Harsh Environment Signals (28 31 23 00-0139)		
28 31	23 00-0178	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	86.37	30.88
28 31	23 00-0179	EA	15/75 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	114.32	30.88
28 31	23 00-0180	EA	110 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	114.32	30.88
28 31	23 00-0181	EA	Strobe - 15cd Synchronized, 24 Volt DC (EST3 405-5A-T).....	106.01	30.88
28 31	23 00-0182	EA	Strobe - 15/75cd Synchronized, 24 Volt DC (EST3 405-7A-T).....	100.49	30.88
28 31	23 00-0183	EA	Strobe - 30cd Synchronized, 24 Volt DC (EST3 405-3A-T).....	106.01	30.88
28 31	23 00-0184	EA	Strobe - 60cd Synchronized, 24 Volt DC (EST3 405-6A-T).....	106.01	30.88
28 31	23 00-0185	EA	Strobe - 110cd Synchronized, 24 Volt DC (EST3 405-8A-T).....	106.01	30.88
28 31	23 00-0186	EA	15/75 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-7A-T).....	109.44	30.88
28 31	23 00-0187	EA	110 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-8A-T).....	109.44	30.88
28 31	23 00-0188	EA	15 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	89.77	30.88
28 31	23 00-0189	EA	30 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	111.72	30.88
28 31	23 00-0190		Fire Alarm Bells (28 31 23 00-0139)		
28 31	23 00-0191	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	122.08	30.88
28 31	23 00-0192	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	101.20	30.88
28 31	23 00-0193	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	110.11	30.88
28 31	23 00-0194		Multiple Tone Signal (28 31 23 00-0139)		
28 31	23 00-0195	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	688.16	657.27
28 31	23 00-0196		Multi-Purpose Loudspeaker (28 31 23 00-0139)		
28 31	23 00-0197	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	155.37	30.88
28 31	23 00-0198	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	155.37	30.88
28 31	23 00-0199		Bell/Strobe Plate (28 31 23 00-0139)		
28 31	23 00-0200	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	79.08	16.47
28 31	23 00-0201		Mounting Accessories (28 31 23 00-0139)		
28 31	23 00-0202	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	42.15	16.47
28 31	23 00-0203	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	42.15	16.47
28 31	23 00-0204	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	42.15	16.47
28 31	23 00-0205	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	42.15	16.47
28 31	23 00-0206	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	42.15	16.47
28 31	23 00-0207		Firefighters' Telephones (28 31 23 00-0139)		
28 31	23 00-0208	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	629.84	51.47
28 31	23 00-0209	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	366.40	51.47
28 31	23 00-0210	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	271.53	51.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0211 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	205.39	51.47
28 31 23 00-0212 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	354.59	51.47
28 31 23 00-0213 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	229.00	51.47
28 31 23 00-0214 EA Remote Telephone Handset Station - 4-State, Red, 'PushTo Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	396.40	51.47
28 31 23 00-0215 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	236.87	51.47
28 31 23 00-0216 EA Remote Telephone Handset Station - 4-State, Red, 'PushTo Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	449.94	51.47
28 31 23 00-0217 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	55.03	16.47
28 31 23 00-0218 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	61.88	16.47
28 31 23 00-0219 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	76.36	
28 31 23 00-0220 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	76.36	
28 31 23 00-0221 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	123.37	20.59
28 31 23 00-0222 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	150.63	20.59
28 31 23 00-0223 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	109.74	20.59
28 31 23 00-0224 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	105.73	20.59
28 31 23 00-0225 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	86.68	30.88
28 31 23 00-0226 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	643.67	41.18
28 31 23 00-0227 Mass Notification EC Appliances (28 31 23 00-0139)		
28 31 23 00-0228 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	98.90	30.88
28 31 23 00-0229 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	96.07	30.88
28 31 23 00-0230 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	98.90	30.88
28 31 23 00-0231 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	96.07	30.88
28 31 23 00-0232 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	15.74	6.17
28 31 23 00-0233 Hazardous Location Devices (28 31 23 00-0002)		
28 31 23 00-0234 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 31 23 00-0233)		
28 31 23 00-0235 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	89.88	30.88
28 31 23 00-0236 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	89.88	30.88
28 31 23 00-0237 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	92.23	30.88
28 31 23 00-0238 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	92.23	30.88
28 31 23 00-0239 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	120.36	30.88
28 31 23 00-0240 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	120.36	30.88
28 31 23 00-0241 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	92.23	30.88
28 31 23 00-0242 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	92.23	30.88
28 31 23 00-0243 Hazardous Locations Fire Alarm Station (28 31 23 00-0233)		
28 31 23 00-0244 EA Hazardous Location Fire Alarm Station (EST3 XAL53)	665.56	51.47
28 31 23 00-0245 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	634.99	51.47
28 31 23 00-0246 Hazardous Location Strobes (28 31 23 00-0233)		
28 31 23 00-0247 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ)	963.77	30.88
28 31 23 00-0248 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	182.40	10.29
28 31 23 00-0249 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	238.01	12.36
28 31 23 00-0250 EA Pendant Mounting Module (EST3 116EX-P)	176.49	12.36
28 31 23 00-0251 Hazardous Location Bells (28 31 23 00-0233)		
28 31 23 00-0252 EA 6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	700.27	30.88
28 31 23 00-0253 EA 8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	717.97	30.88
28 31 23 00-0254 EA 10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	724.34	30.88
28 31 23 00-0255 Hazardous Location Horns (28 31 23 00-0233)		
28 31 23 00-0256 EA Hazardous Location Horns (EST3 888D-N5).....	685.03	30.88
28 31 23 00-0257 EA Explosionproof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	562.58	30.88
28 31 23 00-0258 Door Holders And Relays (28 31 23 00-0002)		
28 31 23 00-0259 Electromagnetic Door Holders (28 31 23 00-0258)		
28 31 23 00-0260 EA Door Holder, Single, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1501-AQN5).....	136.66	30.88
28 31 23 00-0261 EA Door Holder, Double, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1502-AQN5)	172.17	30.88
28 31 23 00-0262 EA Door Holder, Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1504-AQN5)	118.52	30.88
28 31 23 00-0263 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1505-AQN5)	118.52	30.88
28 31 23 00-0264 EA Door Holder, Surface, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1508-AQN5)	120.16	30.88
28 31 23 00-0265 EA Door Holder, Completely Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1509-AQN5)	121.73	30.88

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0266 Control Relays, Multi-Voltage <small>(28 31 23 00-0258)</small>		
28 31 23 00-0267 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	27.60	6.17
28 31 23 00-0268 FireShield Plus <small>(28 31 23 00-0002)</small>		
28 31 23 00-0269 3 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0270 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP302R).....	784.28	247.09
28 31 23 00-0271 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,125.89	329.45
28 31 23 00-0272 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP302G).....	784.28	247.09
28 31 23 00-0273 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,125.89	329.45
28 31 23 00-0274 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	51.19	10.29
28 31 23 00-0275 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	51.19	10.29
28 31 23 00-0276 5 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0277 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP502R).....	833.81	247.09
28 31 23 00-0278 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,172.59	329.45
28 31 23 00-0279 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP502G).....	833.81	247.09
28 31 23 00-0280 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,172.59	329.45
28 31 23 00-0281 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	51.19	10.29
28 31 23 00-0282 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	51.19	10.29
28 31 23 00-0283 10 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0284 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries (EST3 FSP1004R).....	1,189.57	329.45
28 31 23 00-0285 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,531.19	411.81
28 31 23 00-0286 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries (EST3 FSP1004G).....	1,168.34	329.45
28 31 23 00-0287 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,531.19	411.81
28 31 23 00-0288 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	58.85	10.29
28 31 23 00-0289 EA NAC Power Expansion Transformer, 120 Volt, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	108.56	20.59
28 31 23 00-0290 FireShield Plus Off Premise Communication Options <small>(28 31 23 00-0268)</small>		
28 31 23 00-0291 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	225.15	20.59
28 31 23 00-0292 FireShield Plus Remote LED Annunciators <small>(28 31 23 00-0268)</small>		
28 31 23 00-0293 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	107.69	30.88
28 31 23 00-0294 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	107.69	30.88
28 31 23 00-0295 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	111.30	30.88
28 31 23 00-0296 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	21.56	6.17
28 31 23 00-0297 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	26.18	6.17
28 31 23 00-0298 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	37.28	6.17
28 31 23 00-0299 FireShield Plus Remote 10 Zone LED Annunciators <small>(28 31 23 00-0268)</small>		
28 31 23 00-0300 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	302.34	30.88
28 31 23 00-0301 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	330.64	30.88
28 31 23 00-0302 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Gray (EST3 RA-ENC1).....	111.94	20.59
28 31 23 00-0303 FireShield Plus Remote Relays And Interfaces <small>(28 31 23 00-0268)</small>		
28 31 23 00-0304 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	117.71	20.59
28 31 23 00-0305 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	50.78	12.36
28 31 23 00-0306 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	181.28	20.59
28 31 23 00-0307 FireShield Plus Accessories <small>(28 31 23 00-0268)</small>		
28 31 23 00-0308 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	11.58	



				DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0309	EA			4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7).....	7.71	
28 31 23 00-0310				iO Series Fire Control Panels (28 31 23 00-0002)		
28 31 23 00-0311				Intelligent Analog Control Panels (28 31 23 00-0310)		
28 31 23 00-0312	EA			FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,394.43	411.81
28 31 23 00-0313	EA			FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,531.69	411.81
28 31 23 00-0314	EA			FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	1,912.14	329.45
28 31 23 00-0315	EA			FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	1,975.82	329.45
28 31 23 00-0316				Option Modules And Accessories For iO Series (28 31 23 00-0310)		
28 31 23 00-0317	EA			16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	203.28	30.88
28 31 23 00-0318	EA			16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	132.53	30.88
28 31 23 00-0319	EA			Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	132.53	30.88
28 31 23 00-0320	EA			Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	111.94	20.59
28 31 23 00-0321	EA			Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	216.92	16.47
28 31 23 00-0322	EA			Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	386.73	16.47
28 31 23 00-0323	EA			Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	50.31	10.29
28 31 23 00-0324	EA			Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	57.38	10.29
28 31 23 00-0325	EA			Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	719.17	41.18
28 31 23 00-0326				Remote Annunciators For iO Series (28 31 23 00-0310)		
28 31 23 00-0327	EA			Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	397.86	30.88
28 31 23 00-0328	EA			Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	415.55	30.88
28 31 23 00-0329				Remote Annunciator Accessories (28 31 23 00-0310)		
28 31 23 00-0330	EA			24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	48.89	10.29
28 31 23 00-0331	EA			12 Expander Cable (Cable Only) (EST3 7120313-01).....	34.74	10.29
28 31 23 00-0332	EA			24 Expander Cable (Cable Only) (EST3 7120313-02).....	45.35	10.29
28 31 23 00-0333	EA			Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC1).....	132.53	30.88
28 31 23 00-0334	EA			Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC2).....	150.21	30.88
28 31 23 00-0335	EA			Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC3).....	167.90	30.88
28 31 23 00-0336	EA			Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	34.74	10.29
28 31 23 00-0337	EA			Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	34.74	10.29
28 31 23 00-0338	EA			Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	65.66	10.29
28 31 23 00-0339				System Accessories (28 31 23 00-0310)		
28 31 23 00-0340	EA			Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Ah Batteries, Will Hold Up To Two 12 Volt, 24 Amp Batteries (EST3 BC-1).....	317.70	82.36
28 31 23 00-0341	EA			Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,141.74	329.45
28 31 23 00-0342				Conventional Initiating Devices (28 31 23 00-0002)		
28 31 23 00-0343				Detectors, Heat, Double Pole (28 31 23 00-0342)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.						
28 31 23 00-0344	EA			Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	99.90	30.88
28 31 23 00-0345	EA			Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	99.90	30.88
28 31 23 00-0346	EA			Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	99.90	30.88
28 31 23 00-0347	EA			Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	99.90	30.88
28 31 23 00-0348				Detectors, Rate Compensation Heat, Accessories (28 31 23 00-0342)		
28 31 23 00-0349	EA			Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	67.11	30.88
28 31 23 00-0350	EA			Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	148.62	16.47
28 31 23 00-0351	EA			4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	54.97	20.59
28 31 23 00-0352				Detectors, Heat, Fire-Lite (28 31 23 00-0342)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.						

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0353 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	94.49	30.88
28 31 23 00-0354 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	94.49	30.88
28 31 23 00-0355 Audio Notification Systems (Standalone Voice Evacuation) (28 31 23 00-0002)		
28 31 23 00-0356 Audio Notification Panels (28 31 23 00-0355)		
28 31 23 00-0357 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	2,925.09	411.81
28 31 23 00-0358 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	2,925.09	411.81
28 31 23 00-0359 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,238.75	411.81
28 31 23 00-0360 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,238.75	411.81
28 31 23 00-0361 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,578.39	411.81
28 31 23 00-0362 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,578.39	411.81
28 31 23 00-0363 Audio Notification Expander Panels (28 31 23 00-0355)		
28 31 23 00-0364 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,295.36	411.81
28 31 23 00-0365 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,295.36	411.81
28 31 23 00-0366 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,630.25	411.81
28 31 23 00-0367 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,630.25	411.81
28 31 23 00-0368 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,019.41	411.81
28 31 23 00-0369 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,019.41	411.81
28 31 23 00-0370 Audio Notification Output Accessories (28 31 23 00-0355)		
28 31 23 00-0371 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	84.27	10.29
28 31 23 00-0372 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	359.58	20.59
28 31 23 00-0373 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	359.58	20.59
28 31 23 00-0374 EA Class A Converter (GE ANSZSC4A)	260.52	20.59
28 31 23 00-0375 Audio Notification Remote Microphone (28 31 23 00-0355)		
28 31 23 00-0376 EA Microphone (GE ANSMIKE)	104.86	20.59
28 31 23 00-0377 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	394.96	20.59
28 31 23 00-0378 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	394.96	20.59
28 31 23 00-0379 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	91.35	10.29
28 31 23 00-0380 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	52.42	10.29
28 31 23 00-0381 Audio Notification Accessories (28 31 23 00-0355)		
28 31 23 00-0382 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	168.54	20.59
28 31 23 00-0383 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	168.54	20.59
28 31 23 00-0384 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA)	168.54	20.59
28 31 23 00-0385 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8)	359.58	20.59
28 31 23 00-0386 Audio Notification Modules, Without Cabinet And Transformer (28 31 23 00-0355)		
28 31 23 00-0387 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,292.29	41.18
Note: Excludes cabinet.		
28 31 23 00-0388 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	1,355.97	41.18
Note: Excludes cabinet.		
28 31 23 00-0389 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	1,865.42	41.18
Note: Excludes cabinet.		
28 31 23 00-0390 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	719.17	41.18
Note: Excludes cabinet.		
28 31 23 00-0391 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	719.17	41.18
Note: Excludes cabinet.		
28 31 23 00-0392 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,292.29	41.18
28 31 23 00-0393 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,037.57	41.18
Note: Excludes cabinet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0394 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,101.25	41.18
28 31 23 00-0395 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	1,610.70	41.18
28 31 23 00-0396 EA Power Transformer, Open Frame, 28 Volt AC @ 180 VA (EVAX 50/100) (GE ANST28180).....	84.27	10.29
28 31 23 00-0397 EA Power Transformer, Open Frame, 28 Volt AC @ 100 VA (EVAX 25) (GE ANST2885).....	63.78	10.29
28 31 23 00-0398 Gamewell-FCI Fire Control Instruments (28 31 23)		
28 31 23 00-0399 7100 Series And NetSOLO® (28 31 23 00-0398)		
28 31 23 00-0400 7100 Compact Analog Addressable Fire Alarm Control Panels (28 31 23 00-0399)		
28 31 23 00-0401 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	686.71	246.68
28 31 23 00-0402 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	2,830.04	411.13
28 31 23 00-0403 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,055.10	411.13
28 31 23 00-0404 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	2,830.04	411.13
28 31 23 00-0405 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	3,055.10	411.13
28 31 23 00-0406 EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	775.64	41.11
28 31 23 00-0407 EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	926.21	41.11
28 31 23 00-0408 EA Analog Loop Unit (Gamewell-FCI ALU).....	926.21	41.11
28 31 23 00-0409 NetSOLO® Intelligent Network (28 31 23 00-0399)		
28 31 23 00-0410 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)..... Note: Mounted in 7100 panel.	1,025.27	41.11
28 31 23 00-0411 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)..... Note: Mounted in 7100 panel.	818.43	41.11
28 31 23 00-0412 Components And Accessories (28 31 23 00-0399)		
28 31 23 00-0413 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	510.21	30.83
28 31 23 00-0414 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM- 7100).....	396.05	41.11
28 31 23 00-0415 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	710.66	41.11
28 31 23 00-0416 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	297.78	41.11
28 31 23 00-0417 EA Replacement Enclosure Box (Gamewell-FCI EN-7100).....	265.09	82.23
28 31 23 00-0418 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	732.14	20.56
28 31 23 00-0419 E3 Series® Basic System (28 31 23 00-0398)		
28 31 23 00-0420 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	703.70	41.11
28 31 23 00-0421 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	610.48	41.11
28 31 23 00-0422 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	703.70	41.11
28 31 23 00-0423 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	610.48	41.11
28 31 23 00-0424 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	442.16	41.11
28 31 23 00-0425 EA Power Supply Module (Gamewell-FCI PM-9).....	573.48	41.11
28 31 23 00-0426 EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX).....	485.54	41.11
28 31 23 00-0427 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	512.08	41.11
28 31 23 00-0428 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	284.20	41.11
28 31 23 00-0429 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	729.60	41.11
28 31 23 00-0430 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	614.36	41.11
28 31 23 00-0431 EA Local Operating Console (Gamewell-FCI 1100-0455).....	411.92	30.83
28 31 23 00-0432 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,296.17	30.83
28 31 23 00-0433 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	527.73	41.11
28 31 23 00-0434 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,569.48	41.11
28 31 23 00-0435 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	396.20	82.23
28 31 23 00-0436 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	301.70	82.23
28 31 23 00-0437 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	67.36	20.56
28 31 23 00-0438 EA Programmable Switch Module (Gamewell-FCI ASM-16).....	375.48	41.11
28 31 23 00-0439 EA LED Driver module (Gamewell-FCI ANU-48).....	375.48	41.11
28 31 23 00-0440 EA Network Graphic Annunciator (Gamewell-FCI NGA).....	1,088.38	30.83
28 31 23 00-0441 Addressable Devices, Module, Pulls And Accessories (28 31 23 00-0398)		
28 31 23 00-0442 Velociti® Series Sensors And Bases (28 31 23 00-0441)		
28 31 23 00-0443 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	126.65	30.83
28 31 23 00-0444 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	129.03	30.83
28 31 23 00-0445 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	136.16	30.83
28 31 23 00-0446 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	107.63	30.83
28 31 23 00-0447 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	111.60	30.83
28 31 23 00-0448 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	107.63	30.83
28 31 23 00-0449 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	152.80	30.83
28 31 23 00-0450 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	319.22	30.83
28 31 23 00-0451 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	281.09	51.39
28 31 23 00-0452 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	312.78	51.39
28 31 23 00-0453 EA Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	163.80	51.39
28 31 23 00-0454 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	33.24	10.27

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0455	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	343.00	30.83
28 31	23 00-0456	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXP).....	70.09	10.27
28 31	23 00-0457	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,193.17	61.67
28 31	23 00-0458		Velociti® Series Modules And Pull Station (28 31 23 00-0441)		
28 31	23 00-0459	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	91.43	20.56
28 31	23 00-0460	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	141.75	20.56
28 31	23 00-0461	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	99.36	20.56
28 31	23 00-0462	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	136.21	20.56
28 31	23 00-0463	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	115.21	20.56
28 31	23 00-0464	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	119.17	20.56
28 31	23 00-0465	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	172.18	41.11
28 31	23 00-0466	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	163.85	41.11
28 31	23 00-0467	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	20.11	4.11
28 31	23 00-0468		Components And Accessories (28 31 23 00-0441)		
28 31	23 00-0469	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	52.70	16.45
			Note: Mounts on single gang box.		
28 31	23 00-0470	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	51.02	20.56
28 31	23 00-0471	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	52.60	20.56
28 31	23 00-0472	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	54.19	20.56
28 31	23 00-0473	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	68.85	20.56
28 31	23 00-0474	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	77.27	16.45
			Note: Mounts on single gang box.		
28 31	23 00-0475		Fixed And Rate of Rise Heat Detectors (28 31 23 00-0441)		
28 31	23 00-0476	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	75.14	30.83
28 31	23 00-0477	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	75.14	30.83
28 31	23 00-0478	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	75.14	30.83
28 31	23 00-0479	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	75.14	30.83
28 31	23 00-0480		NAC Expander/Power Supply (28 31 23 00-0441)		
28 31	23 00-0481	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,228.38	328.90
28 31	23 00-0482	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,077.81	328.90
28 31	23 00-0483	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,153.09	328.90
28 31	23 00-0484		Batteries And Accessories (28 31 23 00-0398)		
28 31	23 00-0485	EA	B-17R, 12 Volt, 17AH Sealed Lead Acid Battery (Gamewell-FCI 100-2010A).....	177.41	20.56
28 31	23 00-0486	EA	B-55R, 12 Volt, 55AH Sealed Lead Acid Battery (Gamewell-FCI 100-2710A).....	435.76	20.56
28 31	23 00-0487	EA	B-7R, 12 Volt, 7AH Sealed Lead Acid Battery (Gamewell-FCI 100-2311A).....	98.17	20.56
28 31	23 00-0488	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	307.89	82.23
28 31	23 00-0489	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	307.89	82.23
28 31	23 00-0490	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	284.91	82.23
28 31	23 00-0491		Electronic Door Holders (28 31 23 00-0398)		
			Note: Rixson products.		
28 31	23 00-0492	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	31.52	4.11
28 31	23 00-0493	EA	FM-980, Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90000)	251.86	30.83
28 31	23 00-0494	EA	FM-981, Floor Mount Holder For Double Doors, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90001)	338.24	30.83
28 31	23 00-0495	EA	FM-990, Low Profile Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90002).....	165.80	30.83
28 31	23 00-0496	EA	FM-996, Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90003)	158.67	30.83
28 31	23 00-0497	EA	FM-997 Recessed Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90004).....	165.80	30.83
28 31	23 00-0498	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90005)	165.48	30.83
28 31	23 00-0499		SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 31 23 00-0398)		
28 31	23 00-0500	EA	2 Wire Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2R)	121.11	30.83
28 31	23 00-0501	EA	2 Wire Horn/Strobe, 12/24 Volt, White, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2W).....	121.11	30.83
28 31	23 00-0502	EA	2 Wire Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK).....	142.50	30.83
28 31	23 00-0503	EA	Replacement Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK-R)	110.85	20.56
28 31	23 00-0504		SpectrAlert® Advance Accessories (28 31 23 00-0398)		
28 31	23 00-0505	EA	Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBS-2)	20.66	6.16
28 31	23 00-0506	EA	White Wall Surface Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSW-2)	20.66	6.16
28 31	23 00-0507	EA	Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSC-2).....	24.23	6.16
28 31	23 00-0508	EA	White, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSCW-2).....	24.23	6.16
28 31	23 00-0509	EA	Weatherproof, Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBB)	30.17	6.16
28 31	23 00-0510	EA	Weatherproof, Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBBC)	30.17	6.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0511 Fire Alarm Programming <small>(28 31 23 00-0398)</small>		
Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 31 23 00-0512 EA Program And Test Up To 5 Fire Alarm Devices	500.00	
28 31 23 00-0513 EA Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 31 23 00-0514 EA Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 31 23 00-0515 Simplex Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0516 4100 Fire Alarm Control Panel <small>(28 31 23 00-0515)</small>		
28 31 23 00-0517 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	3,790.32	411.13
28 31 23 00-0518 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt Input (Simplex 4100-9141)	4,097.71	411.13
28 31 23 00-0519 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,707.65	411.13
28 31 23 00-0520 EA IDNet Module, Up To 127 Points (Simplex 4100-3104)	2,582.36	411.13
28 31 23 00-0521 EA IDNet Module, Up To 64 Points (Simplex 4100-3105)	2,113.58	411.13
28 31 23 00-0522 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	1,125.50	102.78
28 31 23 00-0523 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	234.95	20.56
28 31 23 00-0524 EA Dual Port RS-232 Interface Card (Simplex 4100-6038)	654.41	20.56
28 31 23 00-0525 4100U Backbox <small>(28 31 23 00-0515)</small>		
28 31 23 00-0526 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,159.06	82.23
28 31 23 00-0527 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,615.12	82.23
28 31 23 00-0528 DACT (Digital Alarm Communicator Transmitter) <small>(28 31 23 00-0515)</small>		
28 31 23 00-0529 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	632.61	41.11
28 31 23 00-0530 4010 Fire Alarm Control Panel <small>(28 31 23 00-0515)</small>		
28 31 23 00-0531 EA 120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,601.77	411.13
28 31 23 00-0532 EA 240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Sply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,632.84	411.13
28 31 23 00-0533 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	131.66	20.56
28 31 23 00-0534 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	543.52	20.56
28 31 23 00-0535 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	744.13	20.56
28 31 23 00-0536 EA 120 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	386.41	20.56
28 31 23 00-0537 EA 240 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	417.47	20.56
28 31 23 00-0538 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	161.83	20.56
28 31 23 00-0539 Printer <small>(28 31 23 00-0515)</small>		
28 31 23 00-0540 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,121.25	20.56
28 31 23 00-0541 NAC Panel / Power Booster <small>(28 31 23 00-0515)</small>		
28 31 23 00-0542 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201)	770.35	102.78
28 31 23 00-0543 Battery <small>(28 31 23 00-0515)</small>		
28 31 23 00-0544 EA 50Ah Sealed Lead Acid Battery (Simplex 2081-9296)	459.61	20.56
28 31 23 00-0545 EA 33Ah Sealed Lead Acid Battery (Simplex 2081-9276)	308.80	20.56
28 31 23 00-0546 EA 6.2Ah Sealed Lead Acid Battery (Simplex 2081-9272)	117.78	20.56
28 31 23 00-0547 Interface Modules <small>(28 31 23 00-0515)</small>		
28 31 23 00-0548 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	97.05	20.56

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0549	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	190.14	20.56
28 31	23 00-0550	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	53.19	20.56
28 31	23 00-0551	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	98.08	20.56
28 31	23 00-0552	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	44.21	10.27
28 31	23 00-0553	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	42.24	10.27
28 31	23 00-0554		Pull Stations (28 31 23 00-0515)		
28 31	23 00-0555	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	158.14	41.11
28 31	23 00-0556	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	127.57	41.11
28 31	23 00-0557	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	133.47	41.11
28 31	23 00-0558	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	124.90	41.11
28 31	23 00-0559	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	137.42	41.11
28 31	23 00-0560	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	182.40	41.11
28 31	23 00-0561	EA	Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	161.07	41.11
28 31	23 00-0562	EA	Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	180.78	41.11
28 31	23 00-0563	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	111.14	41.11
28 31	23 00-0564	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	114.75	41.11
28 31	23 00-0565	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	126.37	41.11
28 31	23 00-0566	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	168.58	41.11
28 31	23 00-0567	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	254.93	41.11
28 31	23 00-0568	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	117.71	41.11
28 31	23 00-0569	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	46.19	10.27
28 31	23 00-0570		Weatherproof Pull Stations (28 31 23 00-0515)		
28 31	23 00-0571	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	149.26	41.11
28 31	23 00-0572	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	72.38	10.27
28 31	23 00-0573		Heat / Smoke Sensor (28 31 23 00-0515)		
28 31	23 00-0574	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	119.73	30.83
28 31	23 00-0575	EA	Photoelectric Smoke Sensor (Simplex 4098-9714).....	168.12	30.83
28 31	23 00-0576	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	305.35	10.27
28 31	23 00-0577	EA	Standard Sensor Base (Simplex 4098-9792).....	157.43	10.27
28 31	23 00-0578	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	97.41	20.56
			Note: Relay for 4098-9791		
28 31	23 00-0579		Explosion Proof Heat Detector (28 31 23 00-0515)		
28 31	23 00-0580	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	125.92	30.83
28 31	23 00-0581	EA	Explosion Proof Backbox (Killark JLX-21).....	77.73	10.27
28 31	23 00-0582	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	7.60	2.05
28 31	23 00-0583		Weatherproof Heat Detector (28 31 23 00-0515)		
28 31	23 00-0584	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	94.83	30.83
28 31	23 00-0585		200 Degree F Heat Detector (28 31 23 00-0515)		
28 31	23 00-0586	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	80.93	30.83
28 31	23 00-0587		Duct Smoke Sensor (28 31 23 00-0515)		
28 31	23 00-0588	EA	Duct Sensor Housing (Simplex 4098-9755).....	250.53	16.45
28 31	23 00-0589	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.	344.53	37.00
28 31	23 00-0590	EA	Duct Sampling Tube (Simplex 2098-9798)	32.90	6.16
			Note: 25", 49", 73" or 97" sampling tube length.		
28 31	23 00-0591	EA	Remote Duct Test Station With Keyswitch And Red LED Status Indicator (Simplex 2098-9806).....	100.70	30.83
28 31	23 00-0592		Interior Horn (28 31 23 00-0515)		
28 31	23 00-0593	EA	Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	94.23	30.83
28 31	23 00-0594	EA	White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	94.23	30.83
28 31	23 00-0595		Interior Horn Strobe (28 31 23 00-0515)		
28 31	23 00-0596	EA	Wall Mounted Horn Strobe, Multi-Candela, Red (Wheelock HS4-24MCW-FR)	124.98	30.83
28 31	23 00-0597	EA	Surface Backbox For HS4 Series (Wheelock DBB-R)	29.05	10.27
28 31	23 00-0598	EA	Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	124.98	30.83
28 31	23 00-0599	EA	Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	124.98	30.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0600 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	117.96	30.83
28 31 23 00-0601 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	117.96	30.83
28 31 23 00-0602 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	117.96	30.83
28 31 23 00-0603 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	117.96	30.83
28 31 23 00-0604 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	120.31	30.83
28 31 23 00-0605 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	120.31	30.83
28 31 23 00-0606 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	124.45	30.83
28 31 23 00-0607 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	122.54	30.83
28 31 23 00-0608 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	124.45	30.83
28 31 23 00-0609 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	122.54	30.83
28 31 23 00-0610 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	117.96	30.83
28 31 23 00-0611 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	117.96	30.83
28 31 23 00-0612 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	117.96	30.83
28 31 23 00-0613 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	117.96	30.83
28 31 23 00-0614 Weatherproof Horn Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0615 EA Wall Mounted Weatherproof Horn Strobe, 4 Wire, Multi-Candela, Red (Wheelock MTWP-2475W-FR)	132.35	30.83
28 31 23 00-0616 EA Weatherproof Surface Backbox For MTWP Series (Wheelock IOB-R)	32.97	10.27
28 31 23 00-0617 Interior Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0618 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	103.06	30.83
28 31 23 00-0619 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	103.06	30.83
28 31 23 00-0620 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	103.03	30.83
28 31 23 00-0621 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	103.06	30.83
28 31 23 00-0622 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	111.97	30.83
28 31 23 00-0623 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	111.97	30.83
28 31 23 00-0624 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	112.54	30.83
28 31 23 00-0625 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	114.10	30.83
28 31 23 00-0626 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	114.10	30.83
28 31 23 00-0627 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	114.10	30.83
28 31 23 00-0628 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	103.06	30.83
28 31 23 00-0629 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	103.06	30.83
28 31 23 00-0630 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	103.06	30.83
28 31 23 00-0631 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	103.06	30.83
28 31 23 00-0632 EA Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSS-24MCW-FR)	92.75	30.83
28 31 23 00-0633 EA Surface Backbox For RSS Series (Wheelock SHBB-R)	31.53	10.27
28 31 23 00-0634 Weatherproof Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0635 EA Weatherproof Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSSWP-2475W-FR)	115.68	30.83
28 31 23 00-0636 EA Weatherproof Surface Backbox For RSSWP Series (Wheelock WPSBB-R)	35.42	10.27
28 31 23 00-0637 Interior Speakers <small>(28 31 23 00-0515)</small>		
28 31 23 00-0638 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	86.69	30.83
28 31 23 00-0639 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	86.69	30.83
28 31 23 00-0640 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	86.69	30.83
28 31 23 00-0641 Interior Speaker Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0642 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	131.92	30.83

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0643 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	131.92	30.83
28 31 23 00-0644 Surge Suppressors (28 31 23 00-0515)		
28 31 23 00-0645 EA Overvoltage Suppressor (Simplex 2081-9044)	78.69	6.16
28 31 23 00-0646 EA Isolated Loop Circuit Protector (Simplex 2081-9028).....	51.39	6.16
28 31 23 00-0647 EA 120 Volt, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	165.17	6.16
28 31 23 00-0648 EA 24 Volt Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B).....	58.42	6.16
28 31 23 00-0649 EA Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	88.49	10.27
28 31 23 00-0650 EA 120 Volt, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	62.99	6.16
28 31 23 00-0651 EA <105 Volt, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MR31SCWP).....	47.98	6.16
28 31 23 00-0652 Boxes And Adapters (28 31 23 00-0515)		
28 31 23 00-0653 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	42.24	10.27
28 31 23 00-0654 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	40.27	10.27
28 31 23 00-0655 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	36.40	10.27
28 31 23 00-0656 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	30.92	10.27
28 31 23 00-0657 Accessories (28 31 23 00-0515)		
28 31 23 00-0658 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	22.85	10.27
28 31 23 00-0659 Covers (28 31 23 00-0515)		
28 31 23 00-0660 EA Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	92.05	20.56
28 31 23 00-0661 EA Pull Station Polycarbonate Cover With Spacer (STI-1230).....	100.55	20.56
Note: For surface mounted pull stations.		
28 31 23 00-0662 EA Horn Strobe Polycarbonate Cover With Spacer (STI-1210D).....	100.55	20.56
Note: For surface mounted horn strobes.		
28 31 23 00-0663 EA Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E).....	92.05	20.56
28 31 23 00-0664 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	100.55	20.56
Note: For surface mounted strobe.		
28 31 23 00-0665 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	92.05	20.56
28 31 23 00-0666 EA Gasket Kit For STI Covers (STI SUB-121).....	29.32	
28 31 23 00-0667 Siemens Fire Alarm (28 31 23)		
28 31 23 00-0668 Conventional Control Panels (28 31 23 00-0667)		
28 31 23 00-0669 SXL Batteries And Power Supplies (28 31 23 00-0668)		
28 31 23 00-0670 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	659.60	41.11
28 31 23 00-0671 EA Main Board Only For PAD-3 (Siemens PAD-3-MB).....	535.07	41.11
28 31 23 00-0672 Digital Fire Communicators (28 31 23 00-0668)		
28 31 23 00-0673 EA Four Channel Digital Slave Fire Communicator (Siemens 5129).....	518.65	41.11
28 31 23 00-0674 Addressable Control Panels (28 31 23 00-0667)		
28 31 23 00-0675 Fireseeker Equipment (28 31 23 00-0674)		
28 31 23 00-0676 FS-250 System Panels (28 31 23 00-0675)		
28 31 23 00-0677 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	1,736.99	411.13
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 31 23 00-0678 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,117.37	411.13
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0679 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,303.10	328.90
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0680 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,739.25	411.13
28 31 23 00-0681 FS-250 Optional Modules (28 31 23 00-0675)		
28 31 23 00-0682 EA Main Board Module (Siemens FS-MB2)	664.13	41.11
28 31 23 00-0683 EA Display Board Module (Siemens FS-DB2).....	512.06	20.56
28 31 23 00-0684 EA Device Loop Card (Siemens FS-DLC).....	421.50	20.56
28 31 23 00-0685 EA Releasing Module (Siemens FS-REL)	192.81	20.56
28 31 23 00-0686 EA Remote LCD Annunciator (Siemens FS-RD2).....	418.67	20.56
28 31 23 00-0687 EA Relay Processor Card (Siemens FS-RU2).....	364.89	20.56
28 31 23 00-0688 EA Relay Expander Board (Siemens FS-RE8).....	312.81	20.56
28 31 23 00-0689 EA Serial Annunciator Processor Card (Siemens FS-SAU2)	418.67	20.56
28 31 23 00-0690 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	328.66	20.56
28 31 23 00-0691 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	299.79	20.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0692 EA Municipal Tie Module (Siemens FS-MT).....	256.21	20.56
28 31 23 00-0693 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	244.69	
28 31 23 00-0694 EA Programming Cable Kit (Siemens CBL-UD)	64.15	10.27
28 31 23 00-0695 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	116.39	20.56
28 31 23 00-0696 EA Releasing Power Transformer (Siemens FS-RPT-A)	118.09	20.56
28 31 23 00-0697 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	130.25	16.45
28 31 23 00-0698 EA Cabinet Trim Kit (Siemens RD-CAB-TK)	203.96	10.27
28 31 23 00-0699 Firefinder Systems (28 31 23 00-0674)		
28 31 23 00-0700 XLS Basic Fire System Packages Without Backbox (28 31 23 00-0699)		
28 31 23 00-0701 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	5,806.67	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0702 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	5,160.24	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0703 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	5,160.24	411.13
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0704 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	8,373.14	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0705 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	8,641.44	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0706 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	5,095.14	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0707 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	5,095.14	411.13
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0708 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	5,851.38	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0709 Firefinder - XLS Basic System Equipment (28 31 23 00-0699)		
28 31 23 00-0710 EA Person Machine Interface With Central Processor (Siemens PMI).....	2,708.89	411.13
Note: Includes inner door.		
28 31 23 00-0711 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	4,379.31	411.13
Note: Includes inner door.		
28 31 23 00-0712 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	2,708.89	411.13
Note: Includes inner door.		
28 31 23 00-0713 EA Two Slot Card Cage (Siemens CC-2).....	321.87	20.56
28 31 23 00-0714 EA Five Slot Card Cage (Siemens CC-5).....	537.54	20.56
28 31 23 00-0715 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	763.96	20.56
28 31 23 00-0716 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	797.35	20.56
28 31 23 00-0717 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	258.47	20.56
28 31 23 00-0718 EA Device Loop Card (Siemens DLC).....	903.77	20.56
Note: Interfaces with up to 252 detectors and devices.		
28 31 23 00-0719 EA Controllable Relay Card (Siemens CRC-6).....	516.03	20.56
Note: Provides six programmable relays.		
28 31 23 00-0720 EA 12 Amp Power Supply Charger Module (Siemens PSC-12).....	1,927.75	20.56
28 31 23 00-0721 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	3,464.01	411.13
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 31 23 00-0722 EA Network Interface Card (Siemens NIC-C).....	602.07	20.56
Note: Provides HNET Or XNET communication between enclosures.		
28 31 23 00-0723 EA 12 Amp Power Supply Extender (Siemens PSX-12).....	1,605.11	20.56
Note: Extends PSC-12 with an additional 24 Vdc.		
28 31 23 00-0724 EA Power Termination Board (Siemens PTB).....	278.85	20.56
Note: Used with systems requiring more than one PSX-12.		
28 31 23 00-0725 EA Conventional Detector Card (Siemens CDC-4).....	580.56	20.56
28 31 23 00-0726 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,127.93	20.56
28 31 23 00-0727 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,030.63	20.56
28 31 23 00-0728 Remote Lobby Enclosure (28 31 23 00-0699)		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0729 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	779.75	82.23
28 31 23 00-0730 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	994.85	82.23
28 31 23 00-0731 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	127.72	20.56
28 31 23 00-0732 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	138.47	20.56
28 31 23 00-0733 Battery Enclosures (28 31 23 00-0699)		
28 31 23 00-0734 EA Enclosure For 100Ah Batteries (Siemens CAB-BATT).....	498.99	82.23
28 31 23 00-0735 Graphic Annunciator Output Drivers And Inputs (28 31 23 00-0699)		
28 31 23 00-0736 EA Output Control Module (Siemens OCM-16).....	375.65	20.56
28 31 23 00-0737 EA Supervised Input Module (Siemens SIM-16).....	375.65	20.56
28 31 23 00-0738 Remote LCD Displays (28 31 23 00-0699)		
28 31 23 00-0739 EA Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	877.88	61.67
28 31 23 00-0740 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	986.00	61.67
28 31 23 00-0741 Voice Equipment (28 31 23 00-0699)		
28 31 23 00-0742 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	851.69	20.56
28 31 23 00-0743 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	1,874.55	20.56
28 31 23 00-0744 EA Live Voice Module (Siemens LVM)..... Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	795.65	20.56
28 31 23 00-0745 MXL Series Equipment (28 31 23 00-0674)		
28 31 23 00-0746 MXL Optional Equipment (28 31 23 00-0745)		
28 31 23 00-0747 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	926.78	41.11
28 31 23 00-0748 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,350.59	20.56
28 31 23 00-0749 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	412.44	20.56
28 31 23 00-0750 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	495.65	20.56
28 31 23 00-0751 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	193.38	20.56
28 31 23 00-0752 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	123.75	20.56
28 31 23 00-0753 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	482.63	20.56
28 31 23 00-0754 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	186.20	30.83
28 31 23 00-0755 EA Lexan Window For RCC (Siemens GENBOX-WD).....	124.02	16.45
28 31 23 00-0756 EA Input Driver Module (Siemens MID-16).....	320.17	20.56
28 31 23 00-0757 EA Programmable Output Driver Module (Siemens MOD-16).....	320.17	20.56
28 31 23 00-0758 EA MXL Output/Input Module (Siemens MOI-7).....	505.84	20.56
28 31 23 00-0759 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	274.32	20.56
28 31 23 00-0760 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	425.46	20.56
28 31 23 00-0761 EA 12 Amp, 220 Volt AC Power Supply For MXL (Siemens MPS-12/220).....	1,052.23	61.67
28 31 23 00-0762 EA 12 Amp, 240 Volt AC Power Supply For MXL (Siemens MPS-12/240).....	1,052.23	61.67
28 31 23 00-0763 EA Network Interface Module (Siemens NIM-1V).....	749.24	20.56
28 31 23 00-0764 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	1,975.81	82.23
28 31 23 00-0765 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	227.34	20.56
28 31 23 00-0766 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,330.77	411.13
28 31 23 00-0767 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	282.05	41.11
28 31 23 00-0768 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,330.77	411.13
28 31 23 00-0769 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	288.84	41.11
28 31 23 00-0770 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,841.14	411.13
28 31 23 00-0771 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,650.03	411.13
28 31 23 00-0772 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	46.03	10.27
28 31 23 00-0773 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,025.69	41.11
28 31 23 00-0774 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	6,420.29	41.11
28 31 23 00-0775 EA Releasing End Of Line Module (Siemens REL-EOL).....	102.81	20.56
28 31 23 00-0776 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	1,937.18	41.11
28 31 23 00-0777 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,850.57	41.11
28 31 23 00-0778 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,014.09	82.23
28 31 23 00-0779 Complete MXL And MXLV System Packages Without Enclosure (28 31 23 00-0745)		
28 31 23 00-0780 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB- 2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	7,445.38	411.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0781 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	9,566.94	411.13
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 31 23 00-0782 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	19,475.08	411.13
28 31 23 00-0783 MXL Basic System (28 31 23 00-0745)		
28 31 23 00-0784 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	4,775.89	411.13
28 31 23 00-0785 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	6,043.27	411.13
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 31 23 00-0786 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,637.17	41.11
28 31 23 00-0787 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,045.86	41.11
28 31 23 00-0788 EA 6 Amp Power Supply For MXL (Siemens MPS-6).....	734.67	61.67
28 31 23 00-0789 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12).....	57.35	10.27
28 31 23 00-0790 MXL/MXLV System Expansion Accessories (28 31 23 00-0745)		
28 31 23 00-0791 EA MXL Remote Power Supply Module (Siemens PSR-1).....	894.87	61.67
28 31 23 00-0792 EA Style 4 Communication Module (Siemens NET-4).....	187.72	20.56
28 31 23 00-0793 EA Style 7 Communication Module (Siemens NET-7).....	333.19	20.56
28 31 23 00-0794 EA MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	204.13	20.56
28 31 23 00-0795 Peripheral Devices (28 31 23 00-0674)		
28 31 23 00-0796 Thermal Detectors (28 31 23 00-0795)		
28 31 23 00-0797 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	89.41	30.83
28 31 23 00-0798 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	89.41	30.83
28 31 23 00-0799 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	89.41	30.83
28 31 23 00-0800 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	89.41	30.83
28 31 23 00-0801 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	131.86	30.83
28 31 23 00-0802 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	131.86	30.83
28 31 23 00-0803 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	303.37	30.83
28 31 23 00-0804 Beam Smoke Detector (28 31 23 00-0795)		
28 31 23 00-0805 EA Linear Beam Smoke Detector (Siemens PBA-1191).....	1,390.13	30.83
28 31 23 00-0806 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	160.94	10.27
28 31 23 00-0807 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	162.64	10.27
28 31 23 00-0808 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	85.66	10.27
28 31 23 00-0809 Bases For Detectors (28 31 23 00-0795)		
28 31 23 00-0810 EA Detector Base (Siemens DB-11).....	29.05	10.27
28 31 23 00-0811 EA Universal Base (Siemens DB-3S).....	27.35	10.27
28 31 23 00-0812 Manual Stations (28 31 23 00-0795)		
28 31 23 00-0813 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	217.52	41.11
28 31 23 00-0814 Addressable Devices (28 31 23 00-0674)		
28 31 23 00-0815 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 31 23 00-0814)		
28 31 23 00-0816 EA Addressable Fireprint Fire Detector (Siemens HFP-11).....	159.03	30.83
28 31 23 00-0817 EA Addressable Thermal Fire Detector (Siemens HFPT-11).....	139.22	30.83
28 31 23 00-0818 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	116.01	30.83
28 31 23 00-0819 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	82.61	30.83
28 31 23 00-0820 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	82.61	30.83
28 31 23 00-0821 EA Addressable Single Action Manual Pull Station (Siemens HMS-S).....	201.67	41.11
28 31 23 00-0822 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	194.87	41.11
28 31 23 00-0823 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	123.75	20.56
28 31 23 00-0824 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	149.23	20.56
28 31 23 00-0825 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	149.23	20.56
28 31 23 00-0826 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	115.26	20.56
28 31 23 00-0827 EA Line Isolator Module (Siemens HLIM).....	118.66	20.56
28 31 23 00-0828 EA Remote Convention Zone Module (Siemens HZM).....	170.74	20.56
28 31 23 00-0829 EA Intelligent Control Point Module (Siemens HCP).....	213.76	20.56
28 31 23 00-0830 EA Handheld Programming And Testing Unit (Siemens DPU).....	903.60	
28 31 23 00-0831 EA DPU Carrying Case (Siemens DPU-C1).....	141.40	
28 31 23 00-0832 EA Label Printer And Carrying Case (Siemens DPU-PRT).....	1,549.07	20.56
28 31 23 00-0833 Air Duct Housings And Detectors (28 31 23 00-0814)		
28 31 23 00-0834 EA Air-Duct Housing (Siemens AD2-P).....	172.70	16.45

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0835 EA Air-Duct Housing With Relay (Siemens AD2-XHR).....	194.21	16.45
28 31 23 00-0836 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	159.41	20.56
28 31 23 00-0837 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	52.43	20.56
28 31 23 00-0838 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	54.13	20.56
28 31 23 00-0839 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	57.53	20.56
28 31 23 00-0840 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	59.79	20.56
28 31 23 00-0841 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 31 23 00-0814)		
28 31 23 00-0842 EA Addressable Fireprint Fire Detector (Siemens FP-11)	165.26	30.83
28 31 23 00-0843 EA Addressable Thermal Fire Detector (Siemens FPT-11).....	144.31	30.83
28 31 23 00-0844 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	181.11	30.83
28 31 23 00-0845 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	197.70	41.11
28 31 23 00-0846 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	212.99	41.11
28 31 23 00-0847 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	158.28	20.56
28 31 23 00-0848 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	174.13	20.56
28 31 23 00-0849 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	174.13	20.56
28 31 23 00-0850 Detector Universal Bases (28 31 23 00-0814)		
28 31 23 00-0851 EA Detector Base With Relay (Siemens DB-X11RS)	74.33	10.27
28 31 23 00-0852 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	40.37	10.27
28 31 23 00-0853 EA Locking Kit (Siemens LK-11)	8.67	
28 31 23 00-0854 EA Detector Base With Relay (Siemens DB-X3RS)	74.33	10.27
28 31 23 00-0855 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	85.66	10.27
28 31 23 00-0856 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	38.67	10.27
28 31 23 00-0857 EA Flush Trim Ring For Bases (Siemens RA-ADB)	19.13	6.16
28 31 23 00-0858 EA Seal For DB-11 (Siemens DB11-SEAL)	10.04	
28 31 23 00-0859 EA Gasket For DB-11 (Siemens DB-SEAL)	10.78	
28 31 23 00-0860 EA Detector Guard Housing (Siemens DGH-11).....	106.60	10.27
28 31 23 00-0861 EA Small Detector Base (Siemens DB-11E)	31.32	10.27
28 31 23 00-0862 EA Audible Base For Series 3 (Siemens ADBI-60A)	95.84	10.27
28 31 23 00-0863 EA Base Plug (Siemens DB-11-DP).....	8.65	
28 31 23 00-0864 Air Duct Smoke Detectors (28 31 23 00-0814)		
28 31 23 00-0865 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	86.96	20.56
28 31 23 00-0866 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	407.34	20.56
28 31 23 00-0867 Notification Devices (28 31 23 00-0674)		
28 31 23 00-0868 Synchronization Control Devices (28 31 23 00-0867)		
28 31 23 00-0869 EA Dual Synchronization Control Module (Siemens DSC).....	123.75	20.56
28 31 23 00-0870 Stand Alone Strobes (28 31 23 00-0867)		
28 31 23 00-0871 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	109.78	30.83
28 31 23 00-0872 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	118.27	30.83
28 31 23 00-0873 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	109.78	30.83
28 31 23 00-0874 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	118.27	30.83
28 31 23 00-0875 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	118.27	30.83
28 31 23 00-0876 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	109.78	30.83
28 31 23 00-0877 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	124.50	30.83
28 31 23 00-0878 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	119.97	30.83
28 31 23 00-0879 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	119.97	30.83
28 31 23 00-0880 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	127.33	30.83
28 31 23 00-0881 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	127.33	30.83
28 31 23 00-0882 Horns And Strobes (28 31 23 00-0867)		
28 31 23 00-0883 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	143.18	30.83
28 31 23 00-0884 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	150.54	30.83
28 31 23 00-0885 EA Wall Mounted Horn (Siemens SE-R)	89.41	30.83
28 31 23 00-0886 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	143.18	30.83
28 31 23 00-0887 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	150.54	30.83
28 31 23 00-0888 EA Ceiling Mounted Horn (Siemens SEC-R).....	92.80	30.83
28 31 23 00-0889 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	143.18	30.83
28 31 23 00-0890 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	150.54	30.83
28 31 23 00-0891 EA Wall Mounted Low Profile Horn (Siemens SEF-R).....	89.41	30.83
28 31 23 00-0892 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	143.18	30.83
28 31 23 00-0893 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	150.54	30.83
28 31 23 00-0894 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	92.80	30.83
28 31 23 00-0895 EA Mini Horn (Siemens MH-R)	76.95	30.83
28 31 23 00-0896 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	93.93	30.83
28 31 23 00-0897 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	135.82	30.83
28 31 23 00-0898 EA Industrial Tri-Tone Horn (Siemens ASR)	358.85	30.83
28 31 23 00-0899 EA Wall Mounted Horn (Siemens HS-R)	93.93	30.83
28 31 23 00-0900 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	136.39	30.83
28 31 23 00-0901 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	145.45	30.83



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 31 23 00-0902 EA 6" Motor Bell (Siemens MBDC-6)	105.26	30.83
				28 31 23 00-0903 EA 10" Motor Bell (Siemens MBDC-10)	113.75	30.83
28 31 23 00-0904				Mounting Accessories (28 31 23 00-0867)		
				28 31 23 00-0905 EA Concealed Conduit Adapter Plate (Siemens APS-R)	27.35	10.27
				28 31 23 00-0906 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	27.35	10.27
				28 31 23 00-0907 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	27.92	10.27
				28 31 23 00-0908 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	41.50	10.27
				28 31 23 00-0909 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	34.15	10.27
				28 31 23 00-0910 EA Surface Mounted Speaker Backbox (Siemens SBBBS-R)	35.84	10.27
				28 31 23 00-0911 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R)	38.11	10.27
				28 31 23 00-0912 EA Square Semi-Flush Extension Ring (Siemens SERS-R)	31.32	10.27
				28 31 23 00-0913 EA Semi-Flush Plate (Siemens SFPS-R)	26.79	10.27
				28 31 23 00-0914 EA Square Surface Backbox (Siemens SHBBS-R)	31.32	10.27
				28 31 23 00-0915 EA Horn Adapter Plate (Siemens SHMPS-R)	30.18	10.27
				28 31 23 00-0916 EA Ceiling Speaker Extension Ring (Siemens SPEXT-R)	27.35	10.27
				28 31 23 00-0917 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	34.15	10.27
				28 31 23 00-0918 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	35.84	10.27
				28 31 23 00-0919 EA Weatherproof Speaker Backbox (Siemens WBBS-R)	34.71	10.27
				28 31 23 00-0920 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	38.11	10.27
				28 31 23 00-0921 EA Weatherproof Flush Plate (Siemens WFPAS-R)	38.11	10.27
				28 31 23 00-0922 EA Weatherproof Horn Flush Plate (Siemens WFPS-R)	38.11	10.27
				28 31 23 00-0923 EA Weatherproof Horn Backbox (Siemens WPBBS-R)	35.84	10.27
				28 31 23 00-0924 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R)	35.84	10.27
				28 31 23 00-0925 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	27.35	10.27
				28 31 23 00-0926 EA Z Series Backbox (Siemens ZBB-R)	30.18	10.27
28 31 23 00-0927				Door Holders (28 31 23 00-0867)		
				28 31 23 00-0928 EA 120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	207.71	30.83
				28 31 23 00-0929 EA 24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	207.71	30.83
28 31 23 00-0930				Voice Equipment (28 31 23 00-0674)		
28 31 23 00-0931				Voicecom (28 31 23 00-0930)		
				28 31 23 00-0932 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,151.55	411.13
				28 31 23 00-0933 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	4,878.00	411.13
28 31 23 00-0934				Notifier Fire Alarm (28 31 23)		
28 31 23 00-0935				Fire Alarm Control Panel And Accessories (28 31 23 00-0934)		
				28 31 23 00-0936 EA NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,723.04	411.13
				28 31 23 00-0937 EA NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,132.89	411.13
				28 31 23 00-0938 EA NFS-320 Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,728.74	411.13
				28 31 23 00-0939 EA Loop Control Module (Notifier LCM-320)	1,246.21	41.11
				28 31 23 00-0940 EA Loop Expander Module (Notifier LEM-320)	1,079.93	41.11
				28 31 23 00-0941 EA Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	968.26	41.11
28 31 23 00-0942				ONYX CAB-4 Series Cabinets (28 31 23 00-0934)		
				28 31 23 00-0943 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	134.03	20.56
				28 31 23 00-0944 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	238.37	20.56
				28 31 23 00-0945 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	156.86	20.56
				28 31 23 00-0946 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	302.94	30.83
				28 31 23 00-0947 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	194.53	30.83
				28 31 23 00-0948 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	450.66	41.11
				28 31 23 00-0949 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	284.38	41.11
				28 31 23 00-0950 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	546.20	51.39
				28 31 23 00-0951 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	332.64	51.39
				28 31 23 00-0952 EA One Tier Backbox Assembly (Notifier SBB-A4)	252.94	61.67
				28 31 23 00-0953 EA Two Tier Backbox Assembly (Notifier SBB-B4)	356.82	82.23
				28 31 23 00-0954 EA Three Tier Backbox Assembly (Notifier SBB-C4)	466.04	82.23
				28 31 23 00-0955 EA Four Tier Backbox Assembly (Notifier SBB-D4)	569.10	102.78
28 31 23 00-0956				NFS2-3030/640 Cabinet Mechanicals (28 31 23 00-0934)		
				28 31 23 00-0957 EA Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	176.60	30.83
				28 31 23 00-0958 EA Battery Dress Plate For NFS2-3030 (Notifier BP2-4)	76.84	12.34
				28 31 23 00-0959 EA Blank Module Dress Plate (Notifier BM-1B)	67.87	12.34
				28 31 23 00-0960 EA Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	81.73	12.34
				28 31 23 00-0961 EA Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	81.73	12.34

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0962 NFS-3030/640 Cabinet Mechanicals (28 31 23 00-0934)		
28 31 23 00-0963 EA Annunciator Dress Plate (Notifier ADP-4B).....	75.21	12.34
28 31 23 00-0964 EA Blank Module Dress Plate (Notifier BMP-1).....	49.94	12.34
28 31 23 00-0965 EA Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	111.21	20.56
28 31 23 00-0966 EA Module Dress Plate (Notifier MP-1B).....	76.84	12.34
28 31 23 00-0967 Battery Cabinets (28 31 23 00-0934)		
28 31 23 00-0968 EA Chassis, Mounts Up To 6 Modules (Notifier CHS-6).....	78.61	20.56
28 31 23 00-0969 EA 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	359.72	61.67
28 31 23 00-0970 Digital Voice (28 31 23 00-0934)		
28 31 23 00-0971 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	216.36	20.56
28 31 23 00-0972 EA Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,223.02	20.56
28 31 23 00-0973 EA Keypad For Digital Voice Command (Notifier DVC-KD).....	363.44	41.11
28 31 23 00-0974 EA 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025).....	937.73	20.56
28 31 23 00-0975 EA Multi-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025F).....	937.73	20.56
28 31 23 00-0976 EA Single-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025SF).....	937.73	20.56
28 31 23 00-0977 EA 50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070).....	1,019.24	20.56
28 31 23 00-0978 EA Multi-Mode Fiber-Optic Media 50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070F).....	1,019.24	20.56
28 31 23 00-0979 EA 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525).....	1,223.02	20.56
28 31 23 00-0980 EA Multi-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525F).....	1,223.02	20.56
28 31 23 00-0981 EA Single-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525SF).....	1,223.02	20.56
28 31 23 00-0982 EA One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	99.80	20.56
28 31 23 00-0983 EA Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	301.31	30.83
28 31 23 00-0984 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	76.02	12.34
28 31 23 00-0985 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	87.43	12.34
28 31 23 00-0986 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	148.57	12.34
28 31 23 00-0987 EA Paging Microphone Only (Notifier MIC-1).....	147.89	20.56
28 31 23 00-0988 Digital Voice Cabinet Doors (28 31 23 00-0934)		
28 31 23 00-0989 EA Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	342.88	30.83
28 31 23 00-0990 EA Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	465.33	41.11
28 31 23 00-0991 EA Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	579.62	51.39
28 31 23 00-0992 RM-1 Remote Microphone (28 31 23 00-0934)		
28 31 23 00-0993 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	353.30	20.56
28 31 23 00-0994 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	353.30	20.56
28 31 23 00-0995 Amplifiers (28 31 23 00-0934)		
28 31 23 00-0996 EA 30 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-30).....	547.29	20.56
28 31 23 00-0997 EA 100 Watt Audio Amplifier At 70.7 Vrms, 120 Volt AC (Notifier AA-100).....	1,208.35	20.56
28 31 23 00-0998 EA 120 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-120).....	1,175.75	20.56
28 31 23 00-0999 EA Audio Coupling Transformer (Notifier ACT-1).....	93.28	20.56
28 31 23 00-1000 EA Audio Coupling Transformer, Used With Analog Amplifiers (Notifier ACT-2).....	107.95	20.56
28 31 23 00-1001 EA Audio Coupling Transformer, Used With DVC-AO (Notifier ACT-4).....	107.95	20.56
28 31 23 00-1002 EA Audio Coupling Transformer, Used With DAA-5025 (Notifier ACT-25).....	107.95	20.56
28 31 23 00-1003 EA Audio Coupling Transformer, Used With DAA-5070 (Notifier ACT-70).....	107.95	20.56
28 31 23 00-1004 FireVoice-25/50 Emergency Voice Evacuation Control Panel (28 31 23 00-0934)		
28 31 23 00-1005 EA 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,701.08	411.13
28 31 23 00-1006 EA Zoned System 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,186.07	411.13
28 31 23 00-1007 EA Zoned System With Telephone 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	3,503.97	411.13
28 31 23 00-1008 EA Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	1,963.41	411.13
28 31 23 00-1009 EA Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,493.23	411.13
28 31 23 00-1010 System Printer (28 31 23 00-0934)		
28 31 23 00-1011 EA 80 Column Desktop Printer, 120 Volt AC (Notifier PRN-6).....	1,452.88	20.56
28 31 23 00-1012 Batteries (28 31 23 00-0934)		
28 31 23 00-1013 EA 7Ah Sealed Battery, 12 Volt (Notifier BAT-1270).....	90.02	20.56
28 31 23 00-1014 EA 12Ah Sealed Battery, 12 Volt (Notifier BAT-12120).....	140.55	20.56
28 31 23 00-1015 EA 18Ah Sealed Battery, 12 Volt (Notifier BAT-12180).....	148.70	20.56
28 31 23 00-1016 EA 26Ah Sealed Battery, 12 Volt (Notifier BAT-12260).....	200.06	20.56
28 31 23 00-1017 EA 55Ah Sealed Battery, 12 Volt (Notifier BAT-12550).....	332.92	20.56
28 31 23 00-1018 EA 100Ah Sealed Battery, 12 Volt (Notifier BAT-121000).....	570.93	20.56
28 31 23 00-1019 Battery Backboxes And Miscellaneous Mechanicals (28 31 23 00-0934)		
28 31 23 00-1020 EA Battery Backbox, Mounts Up To Two 26Ah And Charger (Notifier BB-26).....	290.79	82.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1021 System Power Supplies And Chargers <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1022	EA		Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,038.81	20.56
	28 31 23 00-1023	EA		6A Auxiliary Power Supply (Notifier APS-6R)	508.17	20.56
	28 31 23 00-1024	EA		25 To 120Ah Battery Charger (Notifier CHG-120)	800.79	20.56
	28 31 23 00-1025	EA		80 Amps, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	522.03	20.56
	28 31 23 00-1026	EA		Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	733.96	20.56
28 31 23 00-1027 Network Control Annunciators <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1028	EA		Network Control Annunciator Used With NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,416.92	61.67
	28 31 23 00-1029	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	53.20	12.34
	28 31 23 00-1030	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	40.97	12.34
28 31 23 00-1031 FIRSTVISION Firefighter's Display <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1032	EA		Replacement FIRSTVISION Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	10,203.18	411.13
28 31 23 00-1033 FlashScan Addressable Devices <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1034	EA		Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNR)	133.96	16.45
	28 31 23 00-1035	EA		Watertight Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNRW)	224.51	20.56
	28 31 23 00-1036	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	142.37	30.83
	28 31 23 00-1037	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	266.26	30.83
	28 31 23 00-1038	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	713.76	30.83
	28 31 23 00-1039	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	145.63	30.83
	28 31 23 00-1040	EA		Intelligent Addressable Thermal Detector (Notifier FST-851)	121.17	30.83
	28 31 23 00-1041	EA		Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	121.17	30.83
	28 31 23 00-1042	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	121.17	30.83
	28 31 23 00-1043	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	129.96	20.56
	28 31 23 00-1044	EA		Intelligent Addressable Dual Monitor Module (Notifier FDM-1).....	144.63	20.56
	28 31 23 00-1045	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	108.76	20.56
	28 31 23 00-1046	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	97.35	20.56
	28 31 23 00-1047	EA		Intelligent Addressable 4-20mA Analog Input Module (Notifier FMM-4-20).....	195.98	20.56
	28 31 23 00-1048	EA		Intelligent Addressable Relay Module (Notifier FRM-1).....	125.07	20.56
	28 31 23 00-1049	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	162.56	20.56
	28 31 23 00-1050	EA		Addressable Manual Dual Action Pull Station (Notifier NBG-12LX).....	180.04	41.11
	28 31 23 00-1051	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	107.13	20.56
28 31 23 00-1052 Addressable Device Bases And Accessories <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1053	EA		Intelligent Detector Base With Flange (Notifier B710LP)	36.05	10.27
	28 31 23 00-1054	EA		Weatherproof Device Housing (Notifier DH400OE-1).....	218.80	20.56
28 31 23 00-1055 XP6/XP10 Transponder <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1056	EA		Synchronization Daughter Module Used With XP6-C (Notifier SYNC-1)	93.28	20.56
	28 31 23 00-1057	EA		Ten Input Monitor Module (Notifier XP10-M)	528.55	20.56
	28 31 23 00-1058	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	456.82	20.56
	28 31 23 00-1059	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	553.00	20.56
	28 31 23 00-1060	EA		Six Relay Control Module (Notifier XP6-R)	442.15	20.56
28 31 23 00-1061 LCD Display Annunciators <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1062	EA		80 Character LCD Fire Annunciator Used With FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	600.18	61.67
	28 31 23 00-1063	EA		640 Character LCD Annunciator Used With NFS-3030 And NFS2-3030 (Notifier LCD-160)	871.61	61.67
	28 31 23 00-1064	EA		80 Character LCD Annunciator Used With NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	848.79	61.67
28 31 23 00-1065 ONYX ACM And AEM Series LED Annunciators <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1066	EA		16 Alarm And 16 Trouble LED Annunciator Control Module (Notifier ACM-16AT)	608.43	20.56
	28 31 23 00-1067	EA		16 Alarm And 16 Trouble LED Annunciator Expander Module (Notifier AEM-16AT).....	467.41	20.56
	28 31 23 00-1068	EA		24 Alarm And 24 Trouble LED Annunciator Control Module (Notifier ACM-24AT)	608.43	20.56
	28 31 23 00-1069	EA		24 Alarm And 24 Trouble LED Annunciator Expander Module (Notifier AEM-24AT).....	467.41	20.56
	28 31 23 00-1070	EA		32 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-32A).....	467.41	20.56
	28 31 23 00-1071	EA		32 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-32A).....	420.14	20.56
	28 31 23 00-1072	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	467.41	20.56
	28 31 23 00-1073	EA		48 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-48A).....	420.14	20.56
28 31 23 00-1074 Graphic Annunciator - Lamp Driver Modules <small>(28 31 23 00-0934)</small>						
	28 31 23 00-1075	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	420.14	20.56
	28 31 23 00-1076	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	343.52	20.56
	28 31 23 00-1077	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	194.72	41.11
	28 31 23 00-1078	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	211.02	41.11

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1079	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	244.61	51.39
28 31 23 00-1080	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	265.80	51.39
28 31 23 00-1081	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	424.29	71.94
28 31 23 00-1082	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	75.21	12.34
28 31 23 00-1083	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	129.51	41.11
28 31 23 00-1084	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	158.85	41.11
28 31 23 00-1085	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	277.21	51.39
28 31 23 00-1086	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	73.71	20.56
28 31 23 00-1087	EA		12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	447.11	71.94
28 31 23 00-1088			Network Gateways (28 31 23 00-0934)		
28 31 23 00-1089	EA		Embedded NFN Gateway (Notifier NFN-GW-EM)	1,671.33	20.56
28 31 23 00-1090	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,671.33	20.56
28 31 23 00-1091	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,671.33	20.56
28 31 23 00-1092			NOTI-FIRE-NET Network Components (28 31 23 00-0934)		
28 31 23 00-1093	EA		Interface Between NotiFireNet 50 And BACnet (Notifier BACNET GATEWAY)	1,671.33	20.56
28 31 23 00-1094	EA		Fiber Optic Network Communications Module (Notifier NCM-F)	781.23	20.56
28 31 23 00-1095	EA		Wired Network Communications Module (Notifier NCM-W)	744.55	20.56
28 31 23 00-1096	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	71.10	10.27
28 31 23 00-1097	EA		NOTI-FIRE-NET Web Server (Notifier NWS)	1,703.94	20.56
28 31 23 00-1098			FireWarden Addressable Fire Panels (28 31 23 00-0934)		
28 31 23 00-1099	EA		198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,841.14	411.13
28 31 23 00-1100	EA		50 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,576.23	411.13
28 31 23 00-1101			FireWarden Accessories (28 31 23 00-0934)		
28 31 23 00-1102	EA		80 Character LCD Fire Annunciator (Notifier N-ANN-80)	386.62	61.67
28 31 23 00-1103	EA		10 Input LED Annunciator Module (Notifier N-ANN-LED)	326.40	20.56
28 31 23 00-1104	EA		Relay Module With 10 Programmable Form C Relays (Notifier N-ANN-RLY)	244.89	20.56
28 31 23 00-1105			FireWarden Devices (28 31 23 00-0934)		
28 31 23 00-1106	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	132.58	30.83
28 31 23 00-1107	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	130.95	30.83
28 31 23 00-1108	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	125.25	30.83
28 31 23 00-1109	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	125.25	30.83
28 31 23 00-1110	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	125.25	30.83
28 31 23 00-1111	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	248.33	30.83
28 31 23 00-1112	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	297.24	30.83
28 31 23 00-1113	EA		Intelligent Addressable Monitor Module (Notifier NMM-100)	104.69	20.56
28 31 23 00-1114	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	95.31	20.56
28 31 23 00-1115	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	157.67	20.56
28 31 23 00-1116	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	553.00	20.56
28 31 23 00-1117	EA		Two Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NDM-100)	120.99	20.56
28 31 23 00-1118	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	106.32	20.56
28 31 23 00-1119	EA		Intelligent Addressable Control Module (Notifier NC-100)	125.88	20.56
28 31 23 00-1120	EA		Intelligent Addressable Relay Module (Notifier NC-100R)	120.99	20.56
28 31 23 00-1121	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	179.23	41.11
28 31 23 00-1122			SFP-2402 And SFP-2404 2 And 4-Zone Control Panels (28 31 23 00-0934)		
28 31 23 00-1123	EA		Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,027.86	328.90
28 31 23 00-1124	EA		Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,125.67	328.90
28 31 23 00-1125			SFP-2402/2404, RP Series And SFP-400/SFP-400B Option Modules (28 31 23 00-0934)		
28 31 23 00-1126	EA		Annunciator Interface Module (Notifier 4XLM)	117.73	20.56
28 31 23 00-1127	EA		Transmitter Module (Notifier 4XTM)	117.73	20.56
28 31 23 00-1128	EA		Four Zone Relay Module (Notifier 4XZM)	134.85	20.56
28 31 23 00-1129	EA		100 VA, 120 Volt AC Power Expansion Transformer (Notifier XRM-24)	112.02	20.56
28 31 23 00-1130	EA		100 VA, 240 Volt AC Power Expansion Transformer (Notifier XRM-24E)	112.02	20.56
28 31 23 00-1131			SFP-5UD 5 Zone Control Panels (28 31 23 00-0934)		
28 31 23 00-1132	EA		Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,573.78	411.13
28 31 23 00-1133			SFP-10UD 10 Zone Control Panels And Accessories (28 31 23 00-0934)		
28 31 23 00-1134	EA		10 Zone Conventional Fire Alarm Control Panel (Notifier SFP-10UD)	1,806.09	411.13
28 31 23 00-1135	EA		Four Channel Stand Alone Fire Alarm Communicator (Notifier 411UDAC)	462.43	61.67
28 31 23 00-1136			Notifier Plug-in Smoke Detectors (28 31 23 00-0934)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1137 EA Conventional Carbon Monoxide Detector (Notifier CO1224)	192.27	41.11
28 31 23 00-1138 i3 Photoelectric Smoke Detectors (28 31 23 00-0934)		
28 31 23 00-1139 EA Two Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 2WTA-B)	116.28	30.83
28 31 23 00-1140 EA Four Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 4WTA-B)	117.10	30.83
28 31 23 00-1141 EA Two Wire, i3 Photoelectric Smoke Detector (Notifier 2W-B)	113.02	30.83
28 31 23 00-1142 EA Four Wire, i3 Photoelectric Smoke Detector (Notifier 4W-B)	114.65	30.83
28 31 23 00-1143 System Sensor Duct Smoke Detectors (28 31 23 00-0934)		
28 31 23 00-1144 EA Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLP)	207.39	20.56
28 31 23 00-1145 EA Weatherproof Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLWP)	273.42	20.56
28 31 23 00-1146 EA 4' To 8' Duct Width Sampling Tube (Notifier ST-5)	54.56	20.56
28 31 23 00-1147 System Detector Accessories (28 31 23 00-0934)		
28 31 23 00-1148 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS451Key)	111.21	20.56
28 31 23 00-1149 NBG-12 Series Pull Stations (28 31 23 00-0934)		
28 31 23 00-1150 EA Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12L)	113.20	41.11
28 31 23 00-1151 EA Outdoor Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12LOB)	195.53	41.11
28 31 23 00-1152 EA Metal Surface Mount Backbox For Pullbox (Notifier SB-10)	45.12	16.45
28 31 23 00-1153 EA Plastic Surface Mount Backbox For Pullbox (Notifier SB-I/O)	45.93	16.45
28 31 23 00-1154 Heat Detectors (28 31 23 00-0934)		
28 31 23 00-1155 EA Single Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5601P)	75.53	30.83
28 31 23 00-1156 EA Single Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5602)	75.53	30.83
28 31 23 00-1157 EA Dual Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5621)	90.20	30.83
28 31 23 00-1158 EA Dual Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5622)	90.20	30.83
28 31 23 00-1159 Rate Compensation Heat Detectors (28 31 23 00-0934)		
28 31 23 00-1160 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-135)	128.51	30.83
28 31 23 00-1161 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-194)	128.51	30.83
28 31 23 00-1162 Stopper Pull Station Covers (28 31 23 00-0934)		
28 31 23 00-1163 EA Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	101.43	20.56
28 31 23 00-1164 EA Pull Station Polycarbonate Cover With Spacer (STI-1230)	119.36	20.56
28 31 23 00-1165 EA Horn Strobe Polycarbonate Cover With Spacer (STI-1210D)	94.09	20.56
28 31 23 00-1166 EA Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E)	85.13	20.56
28 31 23 00-1167 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	94.09	20.56
28 31 23 00-1168 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	85.13	20.56
28 31 23 00-1169 SpectrAlert Advance Horns (28 31 23 00-0934)		
28 31 23 00-1170 EA Interior Wall Mounted Horn (Notifier HR)	95.09	30.83
28 31 23 00-1171 EA Outdoor Wall Mounted Horn (Notifier HRK)	110.58	30.83
28 31 23 00-1172 SpectrAlert Advance Four Wire Wall Mounted Horn/Strobes (28 31 23 00-0934)		
28 31 23 00-1173 EA Interior Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4R)	132.58	30.83
28 31 23 00-1174 EA Outdoor Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4RK)	146.44	30.83
28 31 23 00-1175 EA Interior Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RH)	136.66	30.83
28 31 23 00-1176 EA Outdoor Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RHK)	152.96	30.83
28 31 23 00-1177 SpectrAlert Advance Four Wire Ceiling Mounted Horn/Strobes (28 31 23 00-0934)		
28 31 23 00-1178 EA Interior Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4R)	132.58	30.83
28 31 23 00-1179 EA Outdoor Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RK)	146.44	30.83
28 31 23 00-1180 EA Interior High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RH)	136.66	30.83
28 31 23 00-1181 EA Outdoor High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RHK)	150.52	30.83
28 31 23 00-1182 SpectrAlert Advance Wall Mounted Strobes (28 31 23 00-0934)		
28 31 23 00-1183 EA Interior Multi-Candela Wall Mounted Strobe (Notifier SR)	110.58	30.83
28 31 23 00-1184 EA Outdoor Multi-Candela Wall Mounted Strobe (Notifier SRK)	133.40	30.83
28 31 23 00-1185 EA Interior High-Candela Wall Mounted Strobe (Notifier SRH)	121.99	30.83
28 31 23 00-1186 EA Outdoor High-Candela Wall Mounted Strobe (Notifier SRHK)	135.03	30.83
28 31 23 00-1187 SpectrAlert Advance Ceiling Mounted Strobes (28 31 23 00-0934)		
28 31 23 00-1188 EA Interior Multi-Candela Ceiling Mounted Strobe (Notifier SCR)	110.58	30.83
28 31 23 00-1189 EA Outdoor Multi-Candela Ceiling Mounted Strobe (Notifier SCRK)	133.40	30.83
28 31 23 00-1190 EA Interior High-Candela Ceiling Mounted Strobe (Notifier SCRH)	121.99	30.83

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1191 EA Outdoor High-Candela Ceiling Mounted Strobe (Notifier SCRHK).....	135.03	30.83
28 31 23 00-1192 System Sensor SpectrAlert Advance Wall Mounted Speakers (28 31 23 00-0934)		
28 31 23 00-1193 EA Wall Mounted Speaker (Notifier SPR).....	91.83	30.83
28 31 23 00-1194 EA High dB Wall Mounted Speaker (Notifier SPRV).....	91.83	30.83
28 31 23 00-1195 EA Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSR).....	141.55	30.83
28 31 23 00-1196 EA High-Candela Wall Mounted Speaker/Strobe (Notifier SPSRH).....	149.70	30.83
28 31 23 00-1197 EA High dB Wall Mounted Speaker/Strobe (Notifier SPSRV).....	141.55	30.83
28 31 23 00-1198 EA Outdoor Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSRK).....	175.79	30.83
28 31 23 00-1199 System Sensor SpectrAlert Advance Ceiling Mounted Speakers (28 31 23 00-0934)		
28 31 23 00-1200 EA Ceiling Mounted Speaker (Notifier SPCR).....	91.83	30.83
28 31 23 00-1201 EA High dB Ceiling Mounted Speaker (Notifier SPCRV).....	91.83	30.83
28 31 23 00-1202 EA Outdoor Ceiling Mounted Speaker (Notifier SPCRK).....	126.06	30.83
28 31 23 00-1203 EA Selectable Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCR).....	141.55	30.83
28 31 23 00-1204 EA High-Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCRH).....	149.70	30.83
28 31 23 00-1205 EA High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRV).....	141.55	30.83
28 31 23 00-1206 EA High-Candela/High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRVH).....	149.70	30.83
28 31 23 00-1207 SpectrAlert Advance Accessories (28 31 23 00-0934)		
28 31 23 00-1208 EA Wall Mounted Backbox Skirt (Notifier BBS-2).....	20.90	6.16
28 31 23 00-1209 EA Ceiling Mounted Backbox Skirt (Notifier BBS-2).....	24.57	6.16
28 31 23 00-1210 System Sensor Electric Alarm Bell (28 31 23 00-0934)		
28 31 23 00-1211 EA 10" Alarm Bell (Notifier SSM24-10).....	115.47	30.83
28 31 23 00-1212 FM Series Door Releases (28 31 23 00-0934)		
28 31 23 00-1213 EA 1/2" Door Holder Spacer (Notifier FM900-50).....	21.31	6.16
28 31 23 00-1214 EA 3/4" Door Holder Spacer (Notifier FM900-75).....	21.31	6.16
28 31 23 00-1215 EA 1" Door Holder Spacer (Notifier FM900-100).....	21.31	6.16
28 31 23 00-1216 EA Door Holder Extension Kit (Notifier FM900).....	22.94	6.16
28 31 23 00-1217 EA 90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	22.94	6.16
28 31 23 00-1218 EA Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM980).....	155.41	30.83
28 31 23 00-1219 EA Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM996).....	135.85	30.83
28 31 23 00-1220 EA Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM998).....	135.85	30.83
28 31 23 00-1221 Johnson Controls Fire Alarm (28 31 23)		
28 31 23 00-1222 EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	127.67	30.83
28 31 23 00-1223 EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	126.44	30.83
28 31 23 00-1224 EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	154.55	30.83
28 31 23 00-1225 EA Accimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	154.16	30.83
28 31 23 00-1226 EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	404.94	41.11
28 31 23 00-1227 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	121.40	30.83
28 31 23 00-1228 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	109.77	30.83
28 31 23 00-1229 EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	107.30	30.83
28 31 23 00-1230 EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	296.89	30.83
28 31 23 00-1231 EA 100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-100).....	1,405.72	61.67
28 31 23 00-1232 EA AUDIO Amplifier, 100 Watt, 230 Volt, (Johnson Controls, Inc. #AA-100E).....	1,362.84	61.67
28 31 23 00-1233 EA 120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-120).....	1,385.97	61.67
28 31 23 00-1234 EA AUDIO Amplifier, 120 Watt, 230 Volt, (Johnson Controls, Inc. #AA-120E).....	1,328.21	61.67
28 31 23 00-1235 EA 30 Watt Audio Amplifier @ 25 VRMS, 120 Volt AC. (Johnson Controls, Inc. #AA-30).....	660.87	61.67
28 31 23 00-1236 EA AUDIO Amplifier, 30 Watt, 230 Volt, (Johnson Controls, Inc. #AA-30E).....	660.87	61.67
28 31 23 00-1237 EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	643.55	20.56
28 31 23 00-1238 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciatoriation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	669.01	20.56
28 31 23 00-1239 EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	493.81	20.56
28 31 23 00-1240 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciatoriation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	493.81	20.56
28 31 23 00-1241 EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	350.99	20.56
28 31 23 00-1242 EA Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,120.91	41.11
28 31 23 00-1243 EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	493.81	20.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1244 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	512.94	20.56
28 31 23 00-1245 EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	443.59	20.56
28 31 23 00-1246 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	443.59	20.56
28 31 23 00-1247 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	81.14	18.50
28 31 23 00-1248 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	682.94	41.11
28 31 23 00-1249 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,467.13	41.11
28 31 23 00-1250 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	682.94	41.11
28 31 23 00-1251 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,467.13	41.11
28 31 23 00-1252 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	30.94	10.27
28 31 23 00-1253 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	75.62	10.27
28 31 23 00-1254 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	71.58	10.27
28 31 23 00-1255 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	32.67	10.27
28 31 23 00-1256 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	29.80	10.27
28 31 23 00-1257 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	502.94	41.11
28 31 23 00-1258 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	1,162.02	61.67
28 31 23 00-1259 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	1,226.94	61.67
28 31 23 00-1260 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	137.41	10.27
28 31 23 00-1261 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	94.14	10.27
28 31 23 00-1262 EA Digital Audio Amplifier, 50 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-5025).....	1,162.97	61.67
28 31 23 00-1263 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5025F).....	1,075.46	61.67
28 31 23 00-1264 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5025SF).....	1,075.46	61.67
28 31 23 00-1265 EA Digital Audio Amplifier, 50 Watt, 70 VRMS. (Johnson Controls, Inc. #DAA-5070).....	1,257.51	61.67
28 31 23 00-1266 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,162.02	61.67
28 31 23 00-1267 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5070F).....	1,162.02	61.67
28 31 23 00-1268 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5070SF).....	1,162.02	61.67
28 31 23 00-1269 EA Digital Audio Amplifier, 75 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-7525).....	1,384.59	61.67
28 31 23 00-1270 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber. (Johnson Controls, Inc. #DAA-7525F).....	1,384.59	61.67
28 31 23 00-1271 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber. (Johnson Controls, Inc. #DAA-7525SF).....	1,384.59	61.67
28 31 23 00-1272 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	150.23	20.56
28 31 23 00-1273 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	225.92	20.56
28 31 23 00-1274 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	23.35	8.22
28 31 23 00-1275 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	25.13	8.22
28 31 23 00-1276 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	49.74	8.22
28 31 23 00-1277 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	29.12	8.22
28 31 23 00-1278 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	31.90	8.22
28 31 23 00-1279 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	227.20	20.56
28 31 23 00-1280 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	380.86	41.11
28 31 23 00-1281 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	328.62	61.67
28 31 23 00-1282 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	445.18	61.67
28 31 23 00-1283 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	484.13	61.67
28 31 23 00-1284 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	245.21	8.22
28 31 23 00-1285 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	367.86	8.22
28 31 23 00-1286 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	403.93	8.22
28 31 23 00-1287 EA 6.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, TransFormers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S6).....	667.17	82.23
28 31 23 00-1288 EA 8.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, TransFormers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S8).....	671.38	82.23
28 31 23 00-1289 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	629.70	61.67
28 31 23 00-1290 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	115.78	10.27
28 31 23 00-1291 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	324.15	20.56
28 31 23 00-1292 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	180.17	30.83
28 31 23 00-1293 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	149.48	30.83
28 31 23 00-1294 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	156.46	30.83
28 31 23 00-1295 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,174.30	41.11
28 31 23 00-1296 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,430.46	41.11
28 31 23 00-1297 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	435.75	20.56
28 31 23 00-1298 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 Volt AC, Includes Door, Dress Panel And Back Box, Black. (Johnson Controls, Inc. #IFC-320).....	3,048.75	328.90
28 31 23 00-1299 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	1,442.90	41.11
28 31 23 00-1300 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	19,284.73	986.71
28 31 23 00-1301 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	21,015.87	986.71
28 31 23 00-1302 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	23,612.57	986.71
28 31 23 00-1303 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	21,015.87	986.71
28 31 23 00-1304 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	144.12	12.34
28 31 23 00-1305 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	161.43	12.34
28 31 23 00-1306 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	175.28	12.34
28 31 23 00-1307 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	322.43	12.34
28 31 23 00-1308 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	106.46	8.22

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-1309	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	168.85	18.50
28 31	23 00-1310	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	178.78	18.50
28 31	23 00-1311	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	320.90	18.50
28 31	23 00-1312	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	315.08	8.22
28 31	23 00-1313	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	423.28	8.22
28 31	23 00-1314	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	522.81	8.22
28 31	23 00-1315	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	155.94	20.56
28 31	23 00-1316	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	72.12	8.22
28 31	23 00-1317	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,042.20	328.90
28 31	23 00-1318	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt Power Supply, Includes CHS2-M2 Chassis. (Johnson Controls, Inc. #JCPU2-640).....	2,200.77	246.68
28 31	23 00-1319	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	3,901.54	328.90
28 31	23 00-1320	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,713.32	246.68
28 31	23 00-1321	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,709.45	246.68
28 31	23 00-1322	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,432.13	30.83
28 31	23 00-1323	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,446.57	30.83
28 31	23 00-1324	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,446.57	30.83
28 31	23 00-1325	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,714.27	41.11
28 31	23 00-1326	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS2-2D). (Johnson Controls, Inc. #JNCA-2).....	1,455.88	41.11
28 31	23 00-1327	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,358.92	246.68
28 31	23 00-1328	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,040.08	41.11
28 31	23 00-1329	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	859.15	41.11
28 31	23 00-1330	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,370.53	41.11
28 31	23 00-1331	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	423.04	10.27
28 31	23 00-1332	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	138.48	8.22
28 31	23 00-1333	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	169.65	8.22
28 31	23 00-1334	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	341.70	10.27
28 31	23 00-1335	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	623.00	10.27
28 31	23 00-1336	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,124.82	10.27
28 31	23 00-1337	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	92.74	10.27
28 31	23 00-1338	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	144.84	10.27
28 31	23 00-1339	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	73.86	10.27
28 31	23 00-1340	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	101.66	10.27
28 31	23 00-1341	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	81.16	10.27
28 31	23 00-1342	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	129.23	10.27
28 31	23 00-1343	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	146.69	10.27
28 31	23 00-1344	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	84.87	10.27
28 31	23 00-1345	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,197.29	30.83
28 31	23 00-1346	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,061.61	20.56
28 31	23 00-1347	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	981.98	20.56
28 31	23 00-1348	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	38.51	4.11
28 31	23 00-1349	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	860.29	20.56
28 31	23 00-1350	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	819.67	20.56
28 31	23 00-1351	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,087.18	41.11
28 31	23 00-1352	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	584.18	20.56
28 31	23 00-1353	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	160.99	8.22
28 31	23 00-1354	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	372.63	20.56
28 31	23 00-1355	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	372.63	20.56
28 31	23 00-1356	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	101.28	8.22
28 31	23 00-1357	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	27.79	4.11
28 31	23 00-1358	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	27.79	4.11
28 31	23 00-1359	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCR).....	113.61	30.83
28 31	23 00-1360	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCRH).....	125.72	30.83
28 31	23 00-1361	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	139.57	30.83
28 31	23 00-1362	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	137.83	30.83
28 31	23 00-1363	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	907.98	82.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1364	EA			Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	717.54	82.23
28 31 23 00-1365	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW).....	113.61	30.83
28 31 23 00-1366	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCWH).....	125.72	30.83
28 31 23 00-1367	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW-P).....	113.61	30.83
28 31 23 00-1368	EA			Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	21.95	8.22
28 31 23 00-1369	EA			SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	22.11	4.11
28 31 23 00-1370	EA			SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	24.89	4.11
28 31 23 00-1371	EA			SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	22.13	4.11
28 31 23 00-1372	EA			Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR).....	105.26	30.83
28 31 23 00-1373	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH).....	125.72	30.83
28 31 23 00-1374	EA			Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	139.57	30.83
28 31 23 00-1375	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH-P).....	125.72	30.83
28 31 23 00-1376	EA			Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	137.83	30.83
28 31 23 00-1377	EA			Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR-P).....	113.61	30.83
28 31 23 00-1378	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW).....	113.61	30.83
28 31 23 00-1379	EA			Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH).....	125.72	30.83
28 31 23 00-1380	EA			Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH-P).....	125.72	30.83
28 31 23 00-1381	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW-P).....	113.61	30.83
28 31 23 00-1382	EA			Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	140.87	10.27
28 31 23 00-1383	EA			Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	619.52	41.11
28 31 23 00-1384	EA			Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi. (Johnson Controls, Inc. #SPSCW).....	166.11	41.11
28 31 23 00-1385	EA			Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	72.52	20.56
28 31 23 00-1386	EA			Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	72.52	20.56
28 31 23 00-1387	EA			Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	124.99	20.56
28 31 23 00-1388	EA			Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	135.02	20.56
28 31 23 00-1389	EA			Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	135.02	20.56
28 31 23 00-1390	EA			Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	121.00	20.56
28 31 23 00-1391	EA			Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D. (Johnson Controls, Inc. #SPSWK).....	161.18	20.56
28 31 23 00-1392	EA			Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	124.99	20.56
28 31 23 00-1393	EA			Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	72.52	20.56
28 31 23 00-1394	EA			Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	72.52	20.56
28 31 23 00-1395	EA			Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	135.02	20.56
28 31 23 00-1396	EA			Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	124.99	20.56
28 31 23 00-1397	EA			Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	124.99	20.56
28 31 23 00-1398				Honeywell Fire Alarm (28 31 23)		
28 31 23 00-1399				Fire-Lite System (28 31 23 00-1398)		
28 31 23 00-1400				Addressable Control Panels (28 31 23 00-1399)		
28 31 23 00-1401	EA			25 Point Intelligent Control (Fire Lite MS-25).....	1,278.40	411.13
28 31 23 00-1402	EA			50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,389.39	411.13
28 31 23 00-1403	EA			198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	1,971.57	411.13
28 31 23 00-1404	EA			636-Point Intelligent Control (Fire Lite MS-9600LS).....	2,869.39	411.13
28 31 23 00-1405	EA			636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	2,763.50	411.13
28 31 23 00-1406				Fire Alarm Terminal Cabinets (28 31 23)		
28 31 23 00-1407	EA			18 Point Lockable Fire Alarm Terminal Cabinet.....	145.61	41.18
28 31 23 00-1408	EA			32 Point Lockable Fire Alarm Terminal Cabinet.....	183.57	41.18
28 31 23 00-1409	EA			64 Point Lockable Fire Alarm Terminal Cabinet.....	259.49	41.18
28 31 23 00-1410	EA			128 Point Lockable Fire Alarm Terminal Cabinet.....	335.38	41.18
28 33 Gas Detection and Alarm (28 30)						
28 33 00 00-0001				Hydrogen Gas Detection (28 33)		
28 33 00 00-0002	EA			Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR).....	989.26	30.88
28 33 00 00-0003	EA			Hydrogen Gas Detector Junction Box (SBS HGDI-JB).....	56.86	10.29
28 33 00 00-0004	EA			Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM).....	263.85	30.88
28 33 00 00-0005				Monitoring System For Underground Tanks (28 33)		
28 33 00 00-0006				Continuous Leak Detection System (28 33 00 00-0005)		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.						
28 33 00 00-0007	EA			Single Channel Underground Tank Monitoring System.....	2,799.68	337.12
28 33 00 00-0008	EA			2 Channel Underground Tank Monitoring System.....	3,771.05	449.77
28 33 00 00-0009	EA			3 Channel Underground Tank Monitoring System.....	5,152.15	481.84
28 33 00 00-0010	EA			4 Channel Underground Tank Monitoring System.....	5,713.80	674.24
28 33 00 00-0011	EA			Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	3,520.25	57.56
28 33 00 00-0012	EA			Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	3,173.93	51.39
28 33 00 00-0013	EA			Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	4,161.72	57.56
28 33 00 00-0014	EA			Tank Leak Detection Probe.....	1,281.74	12.34
28 33 00 00-0015	EA			Secondary Containment Collar Probe.....	160.54	4.93
28 33 00 00-0016	EA			Interstitial Leak Detection Probe.....	295.73	10.27
28 33 00 00-0017	EA			Liquid Phase Detection.....	972.26	30.83
28 33 00 00-0018	EA			Hydrocarbon Vapor, Fixed.....	900.26	30.83
28 33 00 00-0019	EA			Hydrocarbon Vapor, Float Mounted.....	1,048.15	34.95

28 Electronic Safety And Security

28 30 Electronic Detection And Alarm

28 33 Gas Detection and Alarm



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 33 00 00-0020 EA Liquid And Vapor Hydrocarbon.....	1,192.16	34.95
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28 34 Fuel-Oil Detection and Alarm (28 30)

See CSI section 28 33 00 00-0000 for detection and alarms.

END OF SECTION 28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	458.91
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	738.45
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	626.10

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	30.48
	For Up To 10, Add	8.55
	For >10 To 25, Add	3.05
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	31.58
	For Up To 10, Add	8.88
	For >10 To 25, Add	3.16
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common	18.96
	For Up To 10, Add	5.09
	For >10 To 25, Add	1.90
31 05 13 00-0005	CY Lime Rock Screening.....	23.14
	For Up To 10, Add	6.34
	For >10 To 25, Add	2.31
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2"	21.77
	For Up To 10, Add	5.93
	For >10 To 25, Add	2.18
31 05 13 00-0007	CY Asphalt Sand	28.78
	For Up To 10, Add	8.04
	For >10 To 25, Add	2.88
31 05 13 00-0008	CY Lawn Sand.....	23.96
	For Up To 10, Add	6.59
	For >10 To 25, Add	2.40
31 05 13 00-0009	CY Sand/Clay	29.94
	For Up To 10, Add	8.38
	For >10 To 25, Add	2.99
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	38.82
	For Up To 10, Add	11.05
	For >10 To 25, Add	3.88
31 05 13 00-0011	CY Sand Fill, Washed Aggregate	39.52
	For Up To 10, Add	11.26
	For >10 To 25, Add	3.95
31 05 13 00-0012	CY Pond Sand.....	19.80
	For Up To 10, Add	5.34
	For >10 To 25, Add	1.98
31 05 13 00-0013	CY Pitrun Clay.....	24.99
	For Up To 10, Add	6.90
	For >10 To 25, Add	2.50
31 05 13 00-0014	CY Light Clay / Loam.....	34.24
	For Up To 10, Add	9.67
	For >10 To 25, Add	3.42
31 05 13 00-0015	CY Heavy Clay	29.65
	For Up To 10, Add	8.30
	For >10 To 25, Add	2.97
31 05 13 00-0016	CY SDG&E Sand.....	29.47
31 05 13 00-0017	TON SDG&E B20 Sand	31.29

31 05 16 Aggregates For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 01 74 19 00-0052 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	32.21
	For Up To 10, Add	9.07
	For >10 To 25, Add	3.22

31 Earthwork**31 05 Common Work Results For Earthwork****31 05 16 Aggregates For Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0003 CY #3 Stone Aggregate Fill (1" To 2" Clean).....	28.62	
For Up To 10, Add	7.99	
For >10 To 25, Add	2.86	
31 05 16 00-0004 CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	29.07	
For Up To 10, Add	8.12	
For >10 To 25, Add	2.91	
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean).....	31.24	
For Up To 10, Add	8.77	
For >10 To 25, Add	3.12	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	31.67	
For Up To 10, Add	8.90	
For >10 To 25, Add	3.17	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1").....	32.56	
For Up To 10, Add	9.17	
For >10 To 25, Add	3.26	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1").....	33.09	
For Up To 10, Add	9.33	
For >10 To 25, Add	3.31	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4").....	33.58	
For Up To 10, Add	9.48	
For >10 To 25, Add	3.36	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4).....	33.67	
For Up To 10, Add	9.50	
For >10 To 25, Add	3.37	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2").....	34.56	
For Up To 10, Add	9.77	
For >10 To 25, Add	3.46	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8").....	35.45	
For Up To 10, Add	10.04	
For >10 To 25, Add	3.55	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8").....	35.58	
For Up To 10, Add	10.08	
For >10 To 25, Add	3.56	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean).....	35.73	
For Up To 10, Add	10.12	
For >10 To 25, Add	3.57	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4).....	37.08	
For Up To 10, Add	10.53	
For >10 To 25, Add	3.71	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4").....	34.37	
For Up To 10, Add	9.71	
For >10 To 25, Add	3.44	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill.....	27.81	
For Up To 10, Add	7.75	
For >10 To 25, Add	2.78	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12".....	38.03	
For Up To 10, Add	10.81	
For >10 To 25, Add	3.80	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12".....	41.96	
For Up To 10, Add	11.99	
For >10 To 25, Add	4.20	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random).....	33.52	
For Up To 10, Add	9.46	
For >10 To 25, Add	3.35	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7").....	38.67	
For Up To 10, Add	11.00	
For >10 To 25, Add	3.87	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus).....	32.08	
For Up To 10, Add	9.03	
For >10 To 25, Add	3.21	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus).....	31.20	
For Up To 10, Add	8.76	
For >10 To 25, Add	3.12	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus).....	28.18	
For Up To 10, Add	7.86	
For >10 To 25, Add	2.82	
31 05 16 00-0025 CY Silica Sand #20 (For Playground Use Only).....	75.79	
For Up To 10, Add	22.14	
For >10 To 25, Add	7.58	
31 05 16 00-0026 CY Graded Aggregate Base Fill (3/4" Minus) Class II Base.....	44.08	
For Up To 10, Add	12.63	
For >10 To 25, Add	4.41	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾31 11 Clearing And Grubbing ^(31 10)31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. See CSI section 31 13 13 00-0001 for small



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
areas or individual trees removal.		
31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,159.55	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,536.94	
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,186.14	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,561.57	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,166.07	
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,911.23	
31 11 00 00-0008 ACR Clearing - Light Brush Without Grub	236.57	
31 11 00 00-0009 ACR Clearing - Medium Brush Without Grub	485.61	
31 11 00 00-0010 ACR Clearing - Heavy Brush Without Grub	686.99	
31 11 00 00-0011 ACR Chipping - Light Brush	1,916.65	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,464.38	
31 11 00 00-0013 ACR Chipping - Heavy Brush	3,450.45	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material ^(31 11) See CSI section 01 74 19 00-0050 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	8.10	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	9.72	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	30.22	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material	23.74	
31 13 Selective Tree And Shrub Removal And Trimming ^(31 10)		
31 13 13 Selective Tree And Shrub Removal ^(31 13)		
31 13 13 00-0001 Individual Tree And Stump Removal ^(31 13 13) Note: Individual tree removal tasks exclude stump removal or grinding. Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation.		
31 13 13 00-0002 EA Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	76.85	
31 13 13 00-0003 EA >6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	147.29	
31 13 13 00-0004 EA >12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	192.12	
31 13 13 00-0005 EA >24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	288.19	
31 13 13 00-0006 EA >36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	339.43	
31 13 13 00-0007 EA Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	479.46	
31 13 13 00-0008 EA >6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	599.33	
31 13 13 00-0009 EA >12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	879.02	
31 13 13 00-0010 EA >24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,198.65	
31 13 13 00-0011 EA >36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,598.21	
31 13 13 00-0012 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	449.13	
31 13 13 00-0013 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	673.71	
31 13 13 00-0014 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	898.27	
31 13 13 00-0015 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,347.40	
31 13 13 00-0016 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,796.54	
31 13 13 00-0017 Stump Grinding ^(31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0018 Stump Grinding, 18" Deep Below Surface Of Soil ^(31 13 13 00-0017) Note: Level soil to match existing surface area.		
31 13 13 00-0019 EA Stump Grinding Up To 6" Tree For 24" Depth, Add	82.80 16.56	
31 13 13 00-0020 EA Stump Grinding >6" To 12" Tree For 24" Depth, Add	110.41 22.08	
31 13 13 00-0021 EA Stump Grinding >12" To 15" Tree For 24" Depth, Add	124.21 24.84	
31 13 13 00-0022 EA Stump Grinding >15" To 18" Tree For 24" Depth, Add	138.01 27.60	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0023 EA Stump Grinding >18" To 21" Tree.....	148.36	
For 24" Depth, Add	29.67	
31 13 13 00-0024 EA Stump Grinding >21" To 24" Tree.....	158.71	
For 24" Depth, Add	31.74	
31 13 13 00-0025 EA Stump Grinding >24" To 27" Tree.....	172.51	
For 24" Depth, Add	34.50	
31 13 13 00-0026 EA Stump Grinding >27" To 30" Tree.....	187.33	
For 24" Depth, Add	37.47	
31 13 13 00-0027 EA Stump Grinding >30" To 33" Tree.....	208.15	
For 24" Depth, Add	41.63	
31 13 13 00-0028 EA Stump Grinding >33" To 36" Tree.....	222.02	
For 24" Depth, Add	44.40	
31 13 13 00-0029 EA Stump Grinding >36" To 42" Tree.....	249.78	
For 24" Depth, Add	49.96	
31 13 13 00-0030 EA Stump Grinding >42" To 48" Tree.....	277.53	
For 24" Depth, Add	55.51	

31 13 16 Selective Tree And Shrub Trimming ^(31 13)**31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance** ^(31 13 16)

Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.52	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.27	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.68	

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill ^(31 20)**31 23 16 Excavation** ^(31 23)**31 23 16 13 Trenching** ^(31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine ^(31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	7.86	
For Excavation In Light Material (Class A), Deduct	-0.98	
For Excavation In Heavy/Wet Material (Class C), Add	3.14	
For Up To 20, Add	6.29	
For >20 To 50, Add	3.93	
For >50 To 250, Add	1.97	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-2.36	
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil	5.13	
For Excavation In Light Material (Class A), Deduct	-0.64	
For Excavation In Heavy/Wet Material (Class C), Add	2.05	
For Up To 20, Add	4.10	
For >20 To 50, Add	2.57	
For >50 To 250, Add	1.28	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.54	
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	13.02	
For Up To 20, Add	10.42	
For >20 To 50, Add	6.51	
For >50 To 250, Add	3.26	
For >500 To 1,000, Deduct	-1.95	
For >1,000, Deduct	-3.91	
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	9.12	
For Up To 20, Add	7.30	
For >20 To 50, Add	4.56	
For >50 To 250, Add	2.28	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-2.74	

31 23 16 13-0006 Excavation For Trenching By Hand ^(31 23 16 13)

31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil	99.72	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		



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Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	171.06	
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13) Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine..... For Up To 20, Add 2.21 For >20 To 50, Add 1.38 For >50 To 250, Add 0.69 For >500 To 1,000, Deduct -0.41 For >1,000, Deduct -0.83	2.76	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	27.70	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13) Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera..... For Up To 20, Add 4.62 For >20 To 50, Add 2.89 For >50 To 250, Add 1.45 For >500 To 1,000, Deduct -0.87 For >1,000, Deduct -1.73	5.78	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand	31.25	
31 23 16 13-0015 Flowable Cement Backfill For Trenches (31 23 16 13) Note: Includes compaction and restoration of final grade.		
31 23 16 13-0016 CY Flowable Cement Backfill for Trenches For Up To 20, Add 39.88 For >20 To 50, Add 25.87 For >50 To 250, Add 12.93 For >500 To 1,000, Deduct -7.01 For >1,000, Deduct -14.01	97.02	
31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13) Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0018 CY Load Excess Material by Machine for Removal from Excavation for Trenching For Up To 20, Add 3.85 For >20 To 50, Add 2.41 For >50 To 250, Add 1.20 For >500 To 1,000, Deduct -0.72 For >1,000, Deduct -1.44	4.81	
31 23 16 13-0019 CY Load Excess Material by Hand for Removal from Excavation for Trenching	73.13	
31 23 16 13-0020 Spread Excess Or Imported Material For Trenches (31 23 16 13) Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0021 CY Spread Excess Or Imported Material On Site With Machine	2.21	
31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13) Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0023 LF Direct Burial of Cable or Piping up to 12" Deep	3.40	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	3.75	
31 23 16 13-0025 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	5.34	
31 23 16 13-0026 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	6.02	
31 23 16 13-0027 Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0028 Utility Trench, Chain Trencher (31 23 16 13-0027) Note: Earth left adjacent to trench.		
31 23 16 13-0029 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	0.92	
31 23 16 13-0030 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.01	
31 23 16 13-0031 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.05	
31 23 16 13-0032 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.10	
31 23 16 13-0033 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.21	
31 23 16 13-0034 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.37	
31 23 16 13-0035 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.66	
31 23 16 13-0036 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.56	
31 23 16 13-0037 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.84	
31 23 16 13-0038 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.09	
31 23 16 13-0039 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.48	
31 23 16 13-0040 Backfill Trenches With Compaction (31 23 16 13-0027)		
31 23 16 13-0041 LF Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.14	
31 23 16 13-0042 LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.22	
31 23 16 13-0043 LF Backfill 4" Wide, 24" Deep Trench, With Compaction.....	0.29	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.22	
	31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.29	
	31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.45	
	31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.65	
	31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.29	
	31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.45	
	31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.60	
	31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	0.89	
31 23 16 26	Rock Removal		<i>(31 23 16)</i>		
31 23 16 26-0001	Rock Breaking By Machine		<i>(31 23 16 26)</i> Note: Excludes excavation of broken-up rock.		
	31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	19.78	
	31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	21.10	
	31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	25.05	
31 23 16 33	Bulk Excavation		<i>(31 23 16)</i> Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.		
31 23 16 33-0001	Excavation		<i>(31 23 16 33)</i> Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
	31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	6.90	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.86	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.76	
			<i>For >1,000, Deduct</i>	-1.04	
	31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.14	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.52	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	1.66	
			<i>For >1,000, Deduct</i>	-0.62	
	31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	8.49	
			<i>For >1,000, Deduct</i>	-1.27	
	31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	5.10	
			<i>For >1,000, Deduct</i>	-0.77	
31 23 16 33-0006	Spreading, Shaping And Rough Grading		<i>(31 23 16 33)</i> Note: Imported or stockpiled material for bulk excavation.		
	31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.26	
			<i>For >1,000, Deduct</i>	-0.64	
31 23 16 33-0008	Cutting, Shaping and Rough Grading Of Existing Elevations		<i>(31 23 16 33)</i> Note: For bulk excavation.		
	31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.73	
			<i>For >1,000, Deduct</i>	-0.71	
31 23 16 33-0010	Relocating On Site Excavated Material From Excavation		<i>(31 23 16 33)</i> Note: For bulk excavation.		
	31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	3.78	
			<i>For >1,000, Deduct</i>	-0.57	
	31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	5.68	
			<i>For >1,000, Deduct</i>	-0.85	
	31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.52	
			<i>For >1,000, Deduct</i>	-1.28	
	31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.36	
			<i>For >1,000, Deduct</i>	-1.70	
31 23 16 33-0015	Finish Grading		<i>(31 23 16 33)</i> Note: For bulk excavation.		
	31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.48	
31 23 16 33-0017	Compaction Of Fill Or Subbase, Per Lift		<i>(31 23 16 33)</i> Note: For bulk excavation. See CSI section 31 23 23 00-0001 for compaction water.		
	31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.48	
			Note: Per Lift		
31 23 16 33-0019	Loading Excess Material For Removal From Excavation		<i>(31 23 16 33)</i> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
	31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation.....	4.10	
			<i>For >1,000, Deduct</i>	-0.62	
31 23 16 36	Excavation For Building Foundations And Other Structures		<i>(31 23 16)</i> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		



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Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Bobcat <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Bobcat In Soil.....	6.48	
For Excavation In Light Material (Class A), Deduct	-0.81	
For Excavation In Heavy/Wet Material (Class C), Add	2.59	
For Up To 20, Add	6.48	
For >20 To 50, Add	4.86	
For >50 To 250, Add	2.59	
For >250 To 500, Add	0.97	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Bobcat In Loose Rock.....	7.96	
For Up To 20, Add	7.96	
For >20 To 50, Add	5.97	
For >50 To 250, Add	3.18	
For >250 To 500, Add	1.19	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	4.97	
For Excavation In Light Material (Class A), Deduct	-0.62	
For Excavation In Heavy/Wet Material (Class C), Add	1.99	
For Up To 20, Add	4.97	
For >20 To 50, Add	3.73	
For >50 To 250, Add	1.99	
For >250 To 500, Add	0.75	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	5.92	
For Up To 20, Add	5.92	
For >20 To 50, Add	4.44	
For >50 To 250, Add	2.37	
For >250 To 500, Add	0.89	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>		
Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil	99.72	
For Excavation In Light Material (Class A), Deduct	-12.47	
For Excavation In Heavy/Wet Material (Class C), Add	39.89	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	171.06	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	3.78	
For Up To 20, Add	3.78	
For >20 To 50, Add	2.84	
For >50 To 250, Add	1.51	
For >250 To 500, Add	0.57	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	5.68	
For Up To 20, Add	5.68	
For >20 To 50, Add	4.26	
For >50 To 250, Add	2.27	
For >250 To 500, Add	0.85	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	8.52	
For Up To 20, Add	8.52	
For >20 To 50, Add	6.39	
For >50 To 250, Add	3.41	
For >250 To 500, Add	1.28	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	11.36	
For Up To 20, Add	11.36	
For >20 To 50, Add	8.52	
For >50 To 250, Add	4.54	
For >250 To 500, Add	1.70	
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Bobcat.....	3.16	
For Up To 20, Add	3.16	
For >20 To 50, Add	2.37	
For >50 To 250, Add	1.26	
For >250 To 500, Add	0.47	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.86	
For Up To 20, Add	3.86	
For >20 To 50, Add	2.90	
For >50 To 250, Add	1.54	
For >250 To 500, Add	0.58	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	47.49	
31 23 16 36-0020 Compaction Of Fill Or Subbase <small>(31 23 16 36)</small> Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.16	
For Up To 20, Add	9.16	
For >20 To 50, Add	6.87	
For >50 To 250, Add	3.66	
For >250 To 500, Add	1.37	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	31.25	
31 23 16 36-0023 Grading <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.82	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.31	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand	9.23	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.27	
For Up To 20, Add	4.27	
For >20 To 50, Add	3.20	
For >50 To 250, Add	1.71	
For >250 To 500, Add	0.64	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	73.13	
31 23 16 36-0030 Spread Material <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine	2.21	
For Up To 20, Add	2.21	
For >20 To 50, Add	1.66	
For >50 To 250, Add	0.88	
For >250 To 500, Add	0.33	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand	40.36	
31 23 16 43 Mass Excavation <small>(31 23 16)</small>		
31 23 16 43-0001 Mass Excavation By Dozer <small>(31 23 16 43)</small> Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.08	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.08	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.61	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour	2.48	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.30	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.25	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.83	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.23	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.12	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour	1.61	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.05	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.65	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.07	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.32	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.72	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.20	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour.....	0.88	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour.....	1.08	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour.....	1.42	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour.....	1.76	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour.....	0.66	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour.....	0.82	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour.....	1.07	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.34	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour.....	0.55	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour.....	0.68	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour.....	0.89	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour.....	1.11	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push.....	12.18	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push.....	15.23	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push.....	7.45	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push.....	8.51	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push.....	9.92	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push.....	4.46	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push.....	5.21	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push.....	6.24	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push.....	3.36	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push.....	4.11	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push.....	5.28	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push.....	2.33	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push.....	3.05	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push.....	3.97	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push.....	4.96	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push.....	1.76	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push.....	2.22	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push.....	2.83	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push.....	3.65	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push.....	1.26	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push.....	1.54	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push.....	2.06	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push.....	2.60	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push.....	0.98	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push.....	1.24	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push.....	1.60	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push.....	2.01	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0077 BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push.....	2.65	
31 23 16 43-0078 BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push.....	3.31	
31 23 16 43-0079 BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push.....	4.41	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0080 BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	5.67	
31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0082 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push.....	2.43	
31 23 16 43-0083 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push.....	3.01	
31 23 16 43-0084 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	3.93	
31 23 16 43-0085 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.10	
31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0087 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push.....	1.71	
31 23 16 43-0088 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push.....	2.15	
31 23 16 43-0089 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.74	
31 23 16 43-0090 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.53	
31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0092 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push.....	1.47	
31 23 16 43-0093 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push.....	1.81	
31 23 16 43-0094 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.36	
31 23 16 43-0095 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.01	
31 23 16 43-0096 Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>		
Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097 Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0098 BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.08	
31 23 16 43-0099 Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0100 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.15	
31 23 16 43-0101 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.24	
31 23 16 43-0102 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	4.86	
31 23 16 43-0103 Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0104 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.41	
31 23 16 43-0105 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.12	
31 23 16 43-0106 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.49	
31 23 16 43-0107 Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0108 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.07	
31 23 16 43-0109 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.60	
31 23 16 43-0110 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.15	
31 23 16 43-0111 Mass Excavation By Bucket Drag-Line <small>(31 23 16 43)</small>		
31 23 16 43-0112 CY Excavate Sand/Gravel, By Bucket Drag Line.....	5.91	
31 23 16 43-0113 CY Excavate, Soil, By Bucket Drag Line.....	10.27	
31 23 19 Dewatering <small>(31 23)</small>		
31 23 19 00-0001 Well Point Dewatering System <small>(31 23 19)</small>		
31 23 19 00-0002 Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal	95.54	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	52.55	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	47.77	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	43.00	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	38.22	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	33.44	
31 23 19 00-0009 Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	0.98	
For >5 Days And <1 Month, Deduct	-0.22	
For >1 Month, Deduct	-0.27	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity).....	0.57	
<i>For >5 Days And <1 Month, Deduct</i>	-0.13	
<i>For >1 Month, Deduct</i>	-0.16	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity).....	0.41	
<i>For >5 Days And <1 Month, Deduct</i>	-0.09	
<i>For >1 Month, Deduct</i>	-0.11	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.30	
<i>For >5 Days And <1 Month, Deduct</i>	-0.07	
<i>For >1 Month, Deduct</i>	-0.08	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.27	
<i>For >5 Days And <1 Month, Deduct</i>	-0.06	
<i>For >1 Month, Deduct</i>	-0.08	
31 23 19 00-0015 Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs.....	82.67	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		
31 23 23 23-0001 Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator.....	145.58	
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-0971 for water truck when water is available on site.		
31 24 Embankments <small>(31 20)</small>		
31 24 13 Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002 Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003 Cutting, Shaping, And Rough Grading By Machine <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	4.73	
<i>For Up To 20, Add</i>	4.73	
<i>For >20 To 50, Add</i>	3.55	
<i>For >50 To 250, Add</i>	1.89	
<i>For >250 To 500, Add</i>	0.71	
<i>For >1,000, Deduct</i>	-0.71	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	5.87	
<i>For Up To 20, Add</i>	5.87	
<i>For >20 To 50, Add</i>	4.40	
<i>For >50 To 250, Add</i>	2.35	
<i>For >250 To 500, Add</i>	0.88	
<i>For >1,000, Deduct</i>	-0.88	
31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	5.12	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	6.65	
31 24 13 00-0009 Scarify Soil <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	4.39	
<i>For Up To 20, Add</i>	2.20	
<i>For >20 To 50, Add</i>	1.10	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.88	
31 24 13 00-0011 Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	8.52	
<i>For Up To 20, Add</i>	8.52	
<i>For >20 To 50, Add</i>	6.39	
<i>For >50 To 250, Add</i>	3.41	
<i>For >250 To 500, Add</i>	1.28	
<i>For >1,000, Deduct</i>	-1.28	

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31 24	Embankments



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0013	CY	>1,000, Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	11.36	
		<i>For Up To 20, Add</i>	11.36	
		<i>For >20 To 50, Add</i>	8.52	
		<i>For >50 To 250, Add</i>	4.54	
		<i>For >250 To 500, Add</i>	1.70	
		<i>For >1,000, Deduct</i>	-1.70	
31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>		
		Note: For roadways, parking areas, landscaping and embankments.		
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	5.21	
		<i>For Up To 20, Add</i>	5.21	
		<i>For >20 To 50, Add</i>	3.91	
		<i>For >50 To 250, Add</i>	2.08	
		<i>For >250 To 500, Add</i>	0.78	
		<i>For >1,000, Deduct</i>	-0.78	
31 24 13 00-0016		Grading <small>(31 24 13 00-0001)</small>		
		Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.55	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.74	
31 24 13 00-0019	LF	Finish Grade For Curb	0.83	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.02	
31 24 13 00-0021		Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>		
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.48	
		<i>For Up To 250, Add</i>	0.48	
		<i>For >250 To 500, Add</i>	0.36	
		<i>For >500 To 1,000, Add</i>	0.19	
		<i>For >5,000, Deduct</i>	-0.07	
31 24 13 00-0023		Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>		
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.10	
		<i>For Up To 20, Add</i>	4.10	
		<i>For >20 To 50, Add</i>	3.08	
		<i>For >50 To 250, Add</i>	1.64	
		<i>For >250 To 500, Add</i>	0.62	
		<i>For >1,000, Deduct</i>	-0.62	
31 25		Erosion And Sedimentation Controls <small>(31 20)</small>		
31 25 14		Stabilization Measures For Erosion And Sedimentation Control <small>(31 25)</small>		
31 25 14 13		Hydraulically-Applied Erosion Control <small>(31 25 14)</small>		
31 25 14 13-0001		Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	36.48	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	33.07	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	30.18	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	28.54	
31 25 14 16		Rolled Erosion Control Mats And Blankets <small>(31 25 14)</small>		
31 25 14 16-0001		Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002		Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket	1.33	
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket	1.57	
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket	1.29	
		Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket	1.33	
		Note: As manufactured by American Green.		
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.23	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket.....	1.69	
		Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	2.07	
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural	1.51	
Note: As manufactured by American Excelsior.		
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green	1.55	
Note: As manufactured by American Excelsior.		
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.62	
Note: As manufactured by American Excelsior.		
31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	8.06	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat	7.49	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat	6.34	
Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave	1.43	
31 25 14 16-0020 Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	5.70	
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber.....	8.07	
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 16-0023 Erosion Control Rolls (31 25 14 16-0001)		
31 25 14 16-0024 SY Erosion Control Rolls, Mirafi 140N.....	1.43	
31 25 14 16-0025 SY Erosion Control Rolls, Amoco 4547	1.45	
31 25 14 23 Stabilization Measures For Erosion Control (31 25 14)		
Note: Includes all erosion control blankets and turf reinforcement mats staples or stakes. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand And Gravel Bags (31 25 14 23)		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Sand Bag With Sand	3.62	
For >2,500 To 5,000, Deduct		-0.28
For >5,000, Deduct		-0.64
31 25 14 23-0003 BAG Gravel Bag #33 With 5/16" Birdseye Gravel	3.86	
For >2,500 To 5,000, Deduct		-0.28
For >5,000, Deduct		-0.66
31 25 14 23-0004 BAG Bag Removal	1.85	
31 25 14 23-0005 Turbidity Curtain (31 25 14 23)		
Note: Type 2 curtain.		
31 25 14 23-0006 LF 3' High Turbidity Curtain	17.23	
31 25 14 23-0007 LF 4' High Turbidity Curtain	18.63	
31 25 14 23-0008 LF 5' High Turbidity Curtain	20.56	
31 25 14 23-0009 LF 6' High Turbidity Curtain	22.21	
31 25 14 23-0010 LF 7' High Turbidity Curtain	23.31	
31 25 14 23-0011 LF 8' High Turbidity Curtain	24.42	
31 25 14 23-0012 LF 9' High Turbidity Curtain	25.69	
31 25 14 23-0013 LF 10' High Turbidity Curtain	27.43	
31 25 14 23-0014 LF 12' High Turbidity Curtain	28.82	
31 25 14 23-0015 LF 13' High Turbidity Curtain	30.66	
31 25 14 23-0016 LF 14' High Turbidity Curtain	32.39	
31 25 14 23-0017 LF 15' High Turbidity Curtain	34.07	
31 25 14 23-0018 LF 16' High Turbidity Curtain	37.00	
31 25 14 23-0019 LF 17' High Turbidity Curtain	38.80	
31 25 14 23-0020 LF 18' High Turbidity Curtain	40.56	
31 25 14 23-0021 LF 19' High Turbidity Curtain	42.42	
31 25 14 23-0022 LF 20' High Turbidity Curtain	44.25	
31 25 14 23-0023 Filter Bags (31 25 14 23)		
31 25 14 23-0024 Non-Woven Filter Bags (31 25 14 23-0023)		
31 25 14 23-0025 EA 6' x 15' Non-Woven Filter Bag	126.35	
31 25 14 23-0026 EA 13' x 15' Non-Woven Filter Bag	182.19	
31 25 14 23-0027 EA 15' x 15' Non-Woven Filter Bag	210.23	

31	31	Earthwork
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0028 Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0029 EA 5' x 15' Monofilament Filter Bag.....	131.14	
31 25 14 23-0030 EA 10' x 15' Monofilament Filter Bag.....	180.81	
31 25 14 23-0031 Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable and fill. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor.		
31 25 14 23-0032 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	29.47	
For Gravel Fill, Add	0.66	
For Up To 500, Add	6.74	
For >500 To 1,000, Add	3.80	
31 25 14 23-0033 SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	33.50	
For Gravel Fill, Add	0.75	
For Up To 500, Add	7.63	
For >500 To 1,000, Add	4.28	
31 25 14 23-0034 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	38.14	
For Gravel Fill, Add	0.85	
For Up To 500, Add	8.65	
For >500 To 1,000, Add	4.84	
31 25 14 23-0035 SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	42.92	
For Gravel Fill, Add	0.95	
For Up To 500, Add	9.72	
For >500 To 1,000, Add	5.43	
31 25 14 23-0036 SF 4.75" Closed Cell Articulated Concrete Block.....	31.35	
For Up To 500, Add	7.12	
For >500 To 1,000, Add	3.99	
31 25 14 23-0037 SF 6" Closed Cell Articulated Concrete Block.....	35.75	
For Up To 500, Add	8.08	
For >500 To 1,000, Add	4.50	
31 25 14 23-0038 SF 7.5" Closed Cell Articulated Concrete Block.....	40.80	
For Up To 500, Add	9.18	
For >500 To 1,000, Add	5.10	
31 25 14 23-0039 SF 9" Closed Cell Articulated Concrete Block.....	45.96	
For Up To 500, Add	10.33	
For >500 To 1,000, Add	5.73	
31 25 14 26 Stabilization Measures For Sedimentation Control <small>(31 25 14)</small>		
31 25 14 26-0001 Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
Note: Includes stakes, embedding and removal after use.		
31 25 14 26-0002 Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' O.C.....	2.11	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' O.C.....	1.61	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' O.C.....	1.14	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' O.C.....	0.96	
31 25 14 26-0007 Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' O.C.....	2.06	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' O.C.....	1.65	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' O.C.....	1.11	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' O.C.....	0.99	
31 25 14 26-0012 Silt Dike Barrier <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	2.24	
31 25 14 26-0014 Sediment Logs <small>(31 25 14 26)</small>		
31 25 14 26-0015 Sediment Logs <small>(31 25 14 26-0014)</small>		
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0016 LF 12" Sediment Log.....	9.39	
31 25 14 26-0017 LF 20" Sediment Log.....	11.44	
31 25 14 26-0018 Wattles <small>(31 25 14 26-0014)</small>		
Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0019 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'.....	120.46	
31 25 14 26-0020 EA Wattles (Sterile Straw Filled Rolls), 12" x 18'.....	115.23	
31 25 14 26-0021 Clean Sediment Logs/Wattles <small>(31 25 14 26-0014)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0022 EA Clean Sediment Logs/Wattles.....	66.49	
31 25 14 26-0023 Hay And Straw Bales <small>(31 25 14 26)</small>		
Note: Includes stakes and removal after use.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0024 LF Place And Remove Straw Bales..... Note: Includes securing in ground with stakes.	4.34	
31 25 14 26-0025 LF Place And Remove Hay Bales..... Note: Includes securing in ground with stakes.	3.95	
31 25 14 26-0026 EA Place And Remove Hay Bales, Includes Securing In Ground With Stakes	11.82	

31 30 Earthwork Methods (31)

31 31 Soil Treatment (31 30)

31 31 16 Termite Control (31 31)

31 31 16 13 Chemical Termite Control (31 31 16)

31 31 16 13-0001 Commercial Use (31 31 16 13)

31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.66
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls.....	0.66

31 31 16 13-0004 Residential Use (31 31 16 13)

31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	0.65
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure.....	0.91

31 31 19 Vegetation Control (31 31)

31 31 19 13 Chemical Vegetation Control (31 31 19)

31 31 19 13-0001 Soil Sterilants (31 31 19 13)

31 31 19 13-0002 MSF Soil Sterilant.....	18.11
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
For >45 To 90, Deduct	-0.35
For >90 To 225, Deduct	-1.60
For >225, Deduct	-2.29

31 32 Soil Stabilization (31 30)

31 32 13 Soil Mixing Stabilization (31 32)

31 32 13 16 Cement Soil Stabilization (31 32 13)

31 32 13 16-0001 Soil Cement Course (31 32 13 16)

Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.	
31 32 13 16-0002 CY Compacted Soil Cement Course, Material mixed in Central Plant.....	46.58
31 32 13 16-0003 CY Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement.....	48.76
31 32 13 16-0004 LB Cement, Per Unit Of Measure.....	0.02
31 32 13 16-0005 LB Flake Calcium Chloride, Per Unit Of Measure	0.26
31 32 13 16-0006 EA Mobilize And Demobilize Traveling Pugmill	150.00

31 32 13 16-0007 Cementitious Soil Binder (31 32 13 16)

31 32 13 16-0008 CY Cementitious Soil Binder, 4% Cement Mix By Volume	27.41
31 32 13 16-0009 CY Cementitious Soil Binder, 6% Cement Mix By Volume	31.53
31 32 13 16-0010 CY Cementitious Soil Binder, 9% Cement Mix By Volume	38.33
31 32 13 16-0011 CY Cementitious Soil Binder, 12% Cement Mix By Volume	45.02

31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry (31 32 13 19)

31 32 13 19-0002 LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	22.90
31 32 13 19-0003 TON Cement Stabilized Base Material.....	42.20
31 32 13 19-0004 CWT Lime For Soil Stabilization	5.99
Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005 LCY Roller, Grader - Lime Stabilization	12.66
31 32 13 19-0006 LCY Roller, Grader - Cement Stabilization	2.88

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).	
31 32 13 19-0008 SY 6" Thick Lime Stabilized Subgrade, 25 LB.....	5.76
For 4% Lime Instead Of 5%, Deduct	-0.11
For 6% Lime Instead Of 5%, Add	0.11

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0009 SY 7" Thick Lime Stabilized Subgrade, 29 LB.....	6.68	
For 4% Lime Instead Of 5%, Deduct	-0.12	
For 6% Lime Instead Of 5%, Add	0.12	
31 32 13 19-0010 SY 8" Thick Lime Stabilized Subgrade, 33 LB.....	7.63	
For 4% Lime Instead Of 5%, Deduct	-0.14	
For 6% Lime Instead Of 5%, Add	0.14	
31 32 13 19-0011 SY 10" Thick Lime Stabilized Subgrade Thick, 41 LB/SY.....	9.53	
For 4% Lime Instead Of 5%, Deduct	-0.18	
For 6% Lime Instead Of 5%, Add	0.18	
For > 5000 SY, Deduct	-0.74	
31 32 13 19-0012 SY 12" Thick Lime Stabilized Subgrade Thick, 50 LB/SY.....	11.43	
For 4% Lime Instead Of 5%, Deduct	-0.21	
For 6% Lime Instead Of 5%, Add	0.21	
For > 5000 SY, Deduct	-0.89	
31 32 13 19-0013 SY 14" Thick Lime Stabilized Subgrade Thick, 58 LB/SY.....	13.31	
For 4% Lime Instead Of 5%, Deduct	-0.24	
For 6% Lime Instead Of 5%, Add	0.24	
For > 5000 SY, Deduct	-1.04	
31 32 13 19-0014 SY 16" Thick Lime Stabilized Subgrade Thick, 66 LB/SY.....	15.23	
For 4% Lime Instead Of 5%, Deduct	-0.28	
For 6% Lime Instead Of 5%, Add	0.28	
For > 5000 SY, Deduct	-1.19	
31 32 13 19-0015 SY 18" Thick Lime Stabilized Subgrade Thick, 74 LB/SY.....	17.15	
For 4% Lime Instead Of 5%, Deduct	-0.31	
For 6% Lime Instead Of 5%, Add	0.31	
For > 5000 SY, Deduct	-1.34	
31 32 13 19-0016 Hydrated Lime Stabilized Subgrade <small>(31 32 13 19)</small>		
Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.		
31 32 13 19-0017 CY Compacted Hydrated Lime Stabilized Subgrade	34.48	
31 32 13 19-0018 LB Hydrated Lime.....	1.00	
31 32 13 29 Liquid Soil Stabilization <small>(31 32 13)</small>		
31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution	1.94	
31 32 19 Geosynthetic Soil Stabilization And Layer Separation <small>(31 32)</small>		
31 32 19 13 Geogrid Soil Stabilization <small>(31 32 19)</small>		
31 32 19 13-0001 Geogrid Fabrics <small>(31 32 19 13)</small>		
Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002 SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.15	
For Up To 50, Add	0.51	
For >50 To 150, Add	0.38	
For >150 To 250, Add	0.24	
For >250 To 500, Add	0.12	
31 32 19 13-0003 SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.45	
For Up To 50, Add	0.58	
For >50 To 150, Add	0.43	
For >150 To 250, Add	0.27	
For >250 To 500, Add	0.14	
31 32 19 13-0004 SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.66	
For Up To 50, Add	0.62	
For >50 To 150, Add	0.46	
For >150 To 250, Add	0.30	
For >250 To 500, Add	0.15	
31 32 19 13-0005 SY 12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.78	
For Up To 50, Add	0.85	
For >50 To 150, Add	0.63	
For >150 To 250, Add	0.41	
For >250 To 500, Add	0.21	
31 32 19 13-0006 SY 14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.30	
For Up To 50, Add	0.96	
For >50 To 150, Add	0.71	
For >150 To 250, Add	0.46	
For >250 To 500, Add	0.23	
31 32 19 13-0007 SY 4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.19	
For Up To 50, Add	0.52	
For >50 To 150, Add	0.38	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0008 SY 5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.16	
<i>For Up To 50, Add</i>	0.72	
<i>For >50 To 150, Add</i>	0.53	
<i>For >150 To 250, Add</i>	0.35	
<i>For >250 To 500, Add</i>	0.17	
31 32 19 16 Geotextile Soil Stabilization <small>(31 32 19)</small>		
31 32 19 16-0001 Nonwoven Polypropylene Geotextiles <small>(31 32 19 16)</small>		
<i>Note: For drainage, filtration and separation.</i>		
31 32 19 16-0002 SY 3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.68	
<i>For Up To 50, Add</i>	0.17	
<i>For >50 To 150, Add</i>	0.12	
<i>For >150 To 250, Add</i>	0.08	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0003 SY 3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.73	
<i>For Up To 50, Add</i>	0.18	
<i>For >50 To 150, Add</i>	0.13	
<i>For >150 To 250, Add</i>	0.08	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0004 SY 4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.78	
<i>For Up To 50, Add</i>	0.19	
<i>For >50 To 150, Add</i>	0.14	
<i>For >150 To 250, Add</i>	0.09	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0005 SY 4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.84	
<i>For Up To 50, Add</i>	0.20	
<i>For >50 To 150, Add</i>	0.15	
<i>For >150 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0006 SY 6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	0.99	
<i>For Up To 50, Add</i>	0.23	
<i>For >50 To 150, Add</i>	0.17	
<i>For >150 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0007 SY 7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.15	
<i>For Up To 50, Add</i>	0.27	
<i>For >50 To 150, Add</i>	0.20	
<i>For >150 To 250, Add</i>	0.13	
<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0008 SY 8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.26	
<i>For Up To 50, Add</i>	0.29	
<i>For >50 To 150, Add</i>	0.22	
<i>For >150 To 250, Add</i>	0.14	
<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0009 SY 10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.54	
<i>For Up To 50, Add</i>	0.35	
<i>For >50 To 150, Add</i>	0.26	
<i>For >150 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.08	
31 32 19 16-0010 SY 16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	3.34	
<i>For Up To 50, Add</i>	0.71	
<i>For >50 To 150, Add</i>	0.53	
<i>For >150 To 250, Add</i>	0.35	
<i>For >250 To 500, Add</i>	0.17	
31 32 19 16-0011 Woven Geotextiles Fabric <small>(31 32 19 16)</small>		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	0.96	
<i>For Up To 50, Add</i>	0.23	
<i>For >50 To 150, Add</i>	0.17	
<i>For >150 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.33	
<i>For Up To 50, Add</i>	0.30	
<i>For >50 To 150, Add</i>	0.22	
<i>For >150 To 250, Add</i>	0.14	
<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.32	
<i>For Up To 50, Add</i>	0.50	
<i>For >50 To 150, Add</i>	0.37	
<i>For >150 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.12	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.26	
<i>For Up To 50, Add</i>	0.49	
<i>For >50 To 150, Add</i>	0.37	
<i>For >150 To 250, Add</i>	0.24	
<i>For >250 To 500, Add</i>	0.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	1.98	
			<i>For Up To 50, Add</i>	0.44	
			<i>For >50 To 150, Add</i>	0.32	
			<i>For >150 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.11	
	31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.12	
			<i>For Up To 50, Add</i>	0.46	
			<i>For >50 To 150, Add</i>	0.34	
			<i>For >150 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.11	
	31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.69	
			<i>For Up To 50, Add</i>	0.58	
			<i>For >50 To 150, Add</i>	0.43	
			<i>For >150 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.14	
	31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.81	
			<i>For Up To 50, Add</i>	0.80	
			<i>For >50 To 150, Add</i>	0.60	
			<i>For >150 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.20	
	31 32 19 16-0020		Geomembranes <small>(31 32 19 16)</small>		
	31 32 19 16-0021		Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0020)</small>		
	31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.77	
	31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.89	
	31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.06	
	31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.26	
	31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.44	
	31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.57	
	31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.69	
	31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.87	
	31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.04	
	31 32 19 16-0031		High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0020)</small>		
	31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.54	
	31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.76	
	31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	0.89	
	31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.48	
	31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.14	
	31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.42	
	31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	1.69	
	31 32 19 16-0039	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	3.07	
	31 32 19 16-0040	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	3.18	
	31 32 19 26		Geoweb Cellular Confinement System <small>(31 32 19)</small>		
			Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
	31 32 19 26-0001		Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
			Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
	31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	4.13	
			<i>For >20,000, Deduct</i>	-0.07	
			<i>For >2:1 Slope, Add</i>	0.88	
	31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	4.79	
			<i>For >20,000, Deduct</i>	-0.11	
			<i>For >2:1 Slope, Add</i>	0.88	
	31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	5.57	
			<i>For >20,000, Deduct</i>	-0.15	
			<i>For >2:1 Slope, Add</i>	0.88	
	31 32 36		Soil Nailing <small>(31 32)</small>		
	31 32 36 00-0001		Landslide and Slip-Out Stabilization <small>(31 32 36)</small>		
			Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor will also warrant the stability of the repaired roadway section for a period of not less than five (5) years.		



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0002	Launched Soil Nails™ <small>(31 32 36 00-0001)</small>	
<p>Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass). Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>		
31 32 36 00-0003 EA	Launched Soil Nails™ up to 20-ft. length.....	600.00
31 32 36 00-0004 EA	Fiberglass Launched Soil Nails™ up to 20-ft. length	700.00
31 32 36 00-0005	SuperNails® <small>(31 32 36 00-0001)</small>	
<p>Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 rebar or threadbar as the inner bar. SuperNails® may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>		
31 32 36 00-0006 EA	SuperNails® up to 20-ft. length.....	600.00
31 32 36 00-0007 EA	SuperNails® up to 30-ft. length.....	750.00
31 32 36 00-0008 EA	SuperNails® up to 40-ft. length.....	1,100.00
31 32 36 00-0009 EA	SuperNails® up to 50-ft. length.....	1,375.00
31 32 36 00-0010 EA	SuperNails® up to 60-ft. length.....	1,650.00
31 32 36 00-0011 EA	SuperNails® up to 70-ft. length.....	1,925.00
31 32 36 00-0012 EA	SuperNails® up to 80-ft. length.....	2,200.00
31 32 36 00-0013	Self Drilling SuperNails® <small>(31 32 36 00-0001)</small>	
<p>Note: Furnish Self Drilling SuperNails® that are a two stage construction including installation of (1) an outer tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities with a sacrificial drill bit; and (2) neat cement grout that is installed as the outer tube is drilled that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 or greater rebar or threadbar as the inner bar, if required by the Contractor's Engineer. Self Drilling SuperNails® may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert Self Drilling SuperNail® outer tubes by drilling a hole to a prescribed depth and grouting during drilling operations. If required, immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>		
31 32 36 00-0014 EA	Self Drilling SuperNails® up to 20-ft	700.00
31 32 36 00-0015 EA	Self Drilling SuperNails® up to 30-ft	1,200.00
31 32 36 00-0016 EA	Self Drilling SuperNails® up to 40-ft	2,000.00
31 32 36 00-0017 EA	Self Drilling SuperNails® up to 50-ft	2,400.00
31 32 36 00-0018 EA	Self Drilling SuperNails® up to 60-ft	2,950.00
31 32 36 00-0019 EA	Self Drilling SuperNails® up to 70-ft	3,100.00
31 32 36 00-0020 EA	Self Drilling SuperNails® up to 80-ft	3,300.00
31 32 36 00-0021	SuperMicropiles™ <small>(31 32 36 00-0001)</small>	
<p>Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 rebar or threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>		
31 32 36 00-0022 EA	SuperMicropiles™ up to 20-ft. length.....	600.00
31 32 36 00-0023 EA	SuperMicropiles™ up to 30-ft. length.....	750.00
31 32 36 00-0024 EA	SuperMicropiles™ up to 40-ft. length.....	1,100.00
31 32 36 00-0025 EA	SuperMicropiles™ up to 50-ft. length.....	1,375.00

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0026	Self Drilling SuperMicropiles™ <small>(31 32 36 00-0001)</small>	
	Note: Furnish Self Drilling SuperMicropiles™ that are a two stage construction including installation of (1) an outer tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities with a sacrificial drill bit; and (2) neat cement grout that is installed as the outer tube is drilled that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 or greater rebar or threadbar as the inner bar, if required by the Contractor's Engineer. Self Drilling SuperMicropiles™ may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert Self Drilling SuperMicropiles™ outer tubes by drilling a hole to a prescribed depth and grouting during drilling operations. If required, immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.	
31 32 36 00-0027	EA Self Drilling SuperMicropiles™ up to 20-ft. length.....	700.00
31 32 36 00-0028	EA Self Drilling SuperMicropiles™ up to 30-ft. length.....	1,200.00
31 32 36 00-0029	EA Self Drilling SuperMicropiles™ up to 40-ft. length.....	2,000.00
31 32 36 00-0030	EA Self Drilling SuperMicropiles™ up to 50-ft. length.....	2,400.00

31 32 36 00-0031	BioWall® <small>(31 32 36 00-0001)</small>	
	Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to 1/4(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.	
31 32 36 00-0032	SF BioWall®.....	30.00

31 32 36 00-0033	Geosynthetically Confined Soil Wall™ <small>(31 32 36 00-0001)</small>	
	Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™. Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 --"Design and Construction Guidelines for Geosynthetic - Reinforced Soil Bridge Abutments with a Flexible Facing")	
31 32 36 00-0034	SF GCS® Wall.....	35.00

31 32 36 00-0035	Shotcrete <small>(31 32 36 00-0001)</small>	
	Note: Furnish shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperNails® or Self Drilling SuperMicropiles™ and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by either a wet-mix or dry-mix process. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. The dry-mix process consists of shotcrete without mixing water that is conveyed through the hose pneumatically with the mixing water introduced at the nozzle. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete". The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document.	
31 32 36 00-0036	SF Shotcrete - 4" thick..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	30.00
31 32 36 00-0037	SF Shotcrete - 6" thick..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	35.00
31 32 36 00-0038	SF Shotcrete - 8" thick..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	40.00
31 32 36 00-0039	SF Shotcrete - 10" thick..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	45.00
31 32 36 00-0040	SF Shotcrete - 12" thick..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	50.00
31 32 36 00-0041	SF Shotcrete - Sculpted and stained - varying thickness..... Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails® and Self Drilling SuperNails®.	17.50

31 32 36 00-0042	Steel Mesh <small>(31 32 36 00-0001)</small>	
	Note: Furnish Galvanized Steel Mesh for use with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.	
31 32 36 00-0043	SF Galvanized Steel Mesh..... Note: For use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®.	15.00



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0044 Mobilization / Demobilization (31 32 36 00-0001)
 Note: Point of origin is from the acceptable contractor's facility location. Contractors meeting these requirements and are authorized to install the materials are as follows: a) Landslide Solutions, Inc., 9362 Cedarview Way, Elk Grove, CA 95758 b) Soil Nail Launcher, Inc. 955 Malachite Drive, Fruitsa, CO 81521 c) Geostabilization Inc., 955 Malachite Drive, Fruitsa, CO 81521.

31 32 36 00-0045	EA	Mobilization / Demobilization Less than 50 miles.....	2,000.00
31 32 36 00-0046	EA	Mobilization / Demobilization >50 To 700 Miles.....	5,000.00
31 32 36 00-0047	EA	Mobilization / Demobilization >700 To 1,500 Miles.....	8,000.00
31 32 36 00-0048	EA	Mobilization / Demobilization >1,500 To 5,000 Miles.....	15,000.00

31 36 Gabions (31 30)
 Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 36 00 00-0001 Stone Filled Gabion Slope Protection (31 36)
 Note: Machine placed by SY of total top face area for depth indicated.

31 36 00 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	52.98
31 36 00 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	62.72
31 36 00 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	76.10
31 36 00 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	89.72
31 36 00 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	105.30
31 36 00 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	144.27
31 36 00 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	182.50

31 37 Riprap (31 30)
 Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	41.73
		<i>For Chinking Material, Add</i>	12.99
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.04
		<i>For Chinking Material, Add</i>	12.99
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.02
		<i>For Chinking Material, Add</i>	12.99
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	54.40
		<i>For Chinking Material, Add</i>	12.99
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.14
		<i>For Chinking Material, Add</i>	12.99
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	61.60
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	75.72
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	27.88
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	31.89
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	33.78
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	35.93
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	37.66
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.53
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	51.59

31 40 Shoring And Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)
 Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.35
		<i>For Wood Sheeting Left In Place</i>	-0.50
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.17
		<i>For Wood Sheeting Left In Place</i>	-0.64
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.09
		<i>For Wood Sheeting Left In Place</i>	-0.80
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	13.05
		<i>For Wood Sheeting Left In Place</i>	-0.99
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.12
		<i>For Wood Sheeting Left In Place</i>	-1.18
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	15.27
		<i>For Wood Sheeting Left In Place</i>	-1.41
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	16.53
		<i>For Wood Sheeting Left In Place</i>	-1.65

31 41 16 Sheet Piling (31 41)

31	Earthwork
31 40	Shoring And Underpinning
31 41	Shoring



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001	Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)	
	Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.	
31 41 16 13-0002	TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	1,586.99
	For Standard Sheeting Left In Place, Add	859.72
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,222.63
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40
31 41 16 13-0003	TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	1,645.33
	For Standard Sheeting Left In Place, Add	830.55
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,193.46
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40
31 41 16 13-0004	TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,916.59
	For Standard Sheeting Left In Place, Add	694.92
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,057.83
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40
31 41 16 13-0005	TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,177.60
	For Standard Sheeting Left In Place, Add	564.42
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	927.32
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40
31 41 16 13-0006	TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,331.14
	For Standard Sheeting Left In Place, Add	487.65
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	850.55
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40
31 41 16 13-0007	TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,487.75
	For Standard Sheeting Left In Place, Add	409.34
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	772.25
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73
	For High Strength Sheeting 55,000 PSI Grade, Add	100.81
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50
	For Each Additional Month >3 Months, Add	50.40

31 45 Vibroflotation And Densification ^(31 40)

31 45 13 Vibroflotation ^(31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation.....	10.43
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31 60 Special Foundations And Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 60)

31 62 13 Concrete Piles ^(31 62)

31 62 13 19 Precast Concrete Piles ^(31 62 13)

31 62 13 19-0001	Tapered Friction Piles With Fluted Steel Casing Up To 50' ^(31 62 13 19)	
	Note: With 4000 PSI concrete. Excludes reinforcing.	
31 62 13 19-0002	VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge	41.97
	For Piles Driven In Water, Add	14.39
31 62 13 19-0003	VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge	43.16
	For Piles Driven In Water, Add	15.22
31 62 13 19-0004	VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge	52.37
	For Piles Driven In Water, Add	16.98
31 62 13 19-0005	VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge	60.26
	For Piles Driven In Water, Add	18.75
31 62 13 19-0006	Constant Diameter Pile, End Bearing, With Fluted Steel Casing ^(31 62 13 19)	
	Note: Up to 50'. Excludes reinforced.	
31 62 13 19-0007	VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	42.75
	For Piles Driven In Water, Add	14.46
31 62 13 19-0008	VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	51.59
	For Piles Driven In Water, Add	16.07
31 62 13 19-0009	VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	58.28
	For Piles Driven In Water, Add	17.57



Earthwork	31	15
Special Foundations And Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 19-0010 VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	63.39 19.07	
31 62 13 19-0011 Thin Wall Shell Straight Sided <small>(31 62 13 19)</small>		
31 62 13 19-0012 VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	25.69 11.16 0.04	
31 62 13 19-0013 VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	28.38 12.39 0.04	
31 62 13 19-0014 VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	31.04 13.61 0.05	
31 62 13 19-0015 VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	33.72 14.83 0.05	
31 62 13 19-0016 VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	36.40 16.05 0.06	
31 62 13 23 Prestressed Concrete Piles <small>(31 62 13)</small>		
31 62 13 23-0001 Square Piles <small>(31 62 13 23)</small>		
31 62 13 23-0002 VLF 10" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	20.91 10.82	
31 62 13 23-0003 VLF 12" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	26.03 12.15	
31 62 13 23-0004 VLF 14" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	31.34 13.32	
31 62 13 23-0005 VLF 16" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	38.15 14.72	
31 62 13 23-0006 VLF 18" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	46.08 16.35	
31 62 13 23-0007 VLF 20" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	53.18 18.04	
31 62 13 23-0008 VLF 24" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	67.47 20.63	
31 62 13 23-0009 Octagonal Pile <small>(31 62 13 23)</small>		
31 62 13 23-0010 VLF 12" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	34.01 12.39	
31 62 13 23-0011 VLF 14" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	42.64 13.81	
31 62 13 23-0012 VLF 16" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	51.36 15.32	
31 62 13 23-0013 VLF 18" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	62.17 17.13	
31 62 13 23-0014 VLF 20" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	113.15 23.06	
31 62 13 23-0015 VLF 24" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	70.20 19.75	
31 62 13 23-0016 Straight Cylinder <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	25.65 11.05	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	29.91 11.98	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	34.94 13.04	
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	39.25 14.11	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	48.46 15.75	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	59.10 17.66	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Steel H-Section Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	39.82 13.53	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	45.21 14.54	
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	57.38 15.76	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	54.47 15.77	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel	62.58	
<i>For Piles Driven In Water, Add</i>	16.58	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel	72.46	
<i>For Piles Driven In Water, Add</i>	18.42	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel	80.57	
<i>For Piles Driven In Water, Add</i>	19.24	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel	71.96	
<i>For Piles Driven In Water, Add</i>	18.65	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel	85.75	
<i>For Piles Driven In Water, Add</i>	20.03	
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel	96.53	
<i>For Piles Driven In Water, Add</i>	22.06	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel	109.52	
<i>For Piles Driven In Water, Add</i>	23.35	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel	295.10	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel	352.73	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel	465.84	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel	494.66	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel	4,700.05	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel	4,700.05	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel	4,744.30	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel	7,193.43	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel	323.92	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel	352.73	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel	465.84	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel	552.28	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel	465.84	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel	608.09	
31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)		
31 62 16 19-0001 Pipe Piles, Non-Filled (31 62 16 19)		
31 62 16 19-0002 VLF 8" Diameter Non-Filled Steel Pipe Piles	24.93	
<i>For Piles Driven In Water, Add</i>	14.72	
31 62 16 19-0003 VLF 10" Diameter Non-Filled Steel Pipe Piles	27.77	
<i>For Piles Driven In Water, Add</i>	15.00	
31 62 16 19-0004 VLF 12" Diameter Non-Filled Steel Pipe Piles	31.82	
<i>For Piles Driven In Water, Add</i>	16.04	
31 62 16 19-0005 VLF 14" Diameter Non-Filled Steel Pipe Piles	34.58	
<i>For Piles Driven In Water, Add</i>	17.67	
31 62 16 19-0006 VLF 16" Diameter Non-Filled Steel Pipe Piles	38.50	
<i>For Piles Driven In Water, Add</i>	19.72	
31 62 16 19-0007 VLF 18" Diameter Non-Filled Steel Pipe Piles	46.24	
<i>For Piles Driven In Water, Add</i>	21.83	
31 62 16 19-0008 Splices And Points For Pipe Pile (31 62 16 19)		
31 62 16 19-0009 Splice (31 62 16 19-0008)		
31 62 16 19-0010 EA 8" Diameter Pipe Pile Splice Steel	184.70	
31 62 16 19-0011 EA 10" Diameter Pipe Pile Splice Steel	193.89	
31 62 16 19-0012 EA 12" Diameter Pipe Pile Splice Steel	256.55	
31 62 16 19-0013 EA 14" Diameter Pipe Pile Splice Steel	265.62	
31 62 16 19-0014 EA 16" Diameter Pipe Pile Splice Steel	314.51	
31 62 16 19-0015 EA 18" Diameter Pipe Pile Splice Steel	373.23	
31 62 16 19-0016 Standard Point (31 62 16 19-0008)		
31 62 16 19-0017 EA 8" Diameter Steel Pipe Pile Standard Point	192.01	
31 62 16 19-0018 EA 10" Diameter Steel Pipe Pile Standard Point	199.37	
31 62 16 19-0019 EA 12" Diameter Steel Pipe Pile Standard Point	224.03	
31 62 16 19-0020 EA 14" Diameter Steel Pipe Pile Standard Point	244.28	
31 62 16 19-0021 EA 16" Diameter Steel Pipe Pile Standard Point	262.69	
31 62 16 19-0022 EA 18" Diameter Steel Pipe Pile Standard Point	304.65	
31 62 16 19-0023 Heavy Duty Point (31 62 16 19-0008)		
31 62 16 19-0024 EA 10" Diameter Steel Pipe Pile Point Heavy Duty	285.43	
31 62 16 19-0025 EA 12" Diameter Steel Pipe Pile Point Heavy Duty	294.63	
31 62 16 19-0026 EA 14" Diameter Steel Pipe Pile Point Heavy Duty	327.91	
31 62 16 19-0027 EA 16" Diameter Steel Pipe Pile Point Heavy Duty	364.73	
31 62 16 19-0028 EA 18" Diameter Steel Pipe Pile Point Heavy Duty	403.39	
31 62 19 Timber Piles (31 62)		
31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB (31 62 19)		
Note: Penta-treated/CF.		



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	15
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0002 LF 12" Butt x 8" Tip Treated Wood Piles Up To 30'	16.25	
For Piles Driven In Water, Add	11.11	
For Untreated Pile, Deduct	-2.52	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0003 LF 12" Butt x 8" Tip Treated Wood Piles 30' To 39'	17.51	
For Piles Driven In Water, Add	11.30	
For Untreated Pile, Deduct	-2.55	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0004 LF 12" Butt x 7" Tip Treated Wood Pile 40' To 49'	18.53	
For Piles Driven In Water, Add	12.04	
For Untreated Pile, Deduct	-2.67	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0005 LF 13" Butt x 7" Tip Treated Wood Pile 50' To 59'	20.26	
For Piles Driven In Water, Add	13.48	
For Untreated Pile, Deduct	-2.79	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0006 LF 13" Butt x 6" Tip Wood Pile 60' To 69'	24.22	
For Piles Driven In Water, Add	15.15	
For Untreated Pile, Deduct	-3.73	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0007 LF 13" Butt x 6" Tip Wood Pile 70' To 79'	29.86	
For Piles Driven In Water, Add	18.26	
For Untreated Pile, Deduct	-4.77	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	

31 62 23 Composite Piles (31 62)

31 62 23 13 Concrete-Filled Steel Piles (31 62 23)

31 62 23 13-0001 Concrete Filled Pipe Piles (31 62 23 13)

Note: All material included in cost.

31 62 23 13-0002 VLF 8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	27.63	
For Piles Driven In Water, Add	16.05	
31 62 23 13-0003 VLF 10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	31.70	
For Piles Driven In Water, Add	16.75	
31 62 23 13-0004 VLF 12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	37.35	
For Piles Driven In Water, Add	18.46	
31 62 23 13-0005 VLF 14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	42.04	
For Piles Driven In Water, Add	21.41	
31 62 23 13-0006 VLF 16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	46.58	
For Piles Driven In Water, Add	22.89	
31 62 23 13-0007 VLF 18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	55.98	
For Piles Driven In Water, Add	25.31	

31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001 Drill Hole (31 63 36)

Note: Excludes removal of excess material.

31 63 36 00-0002 Mobilization (31 63 36 00-0001)

31 63 36 00-0003 EA Drilling Mobilization, >12" To 24" Diameter Hole	664.35	
31 63 36 00-0004 EA Drilling Mobilization, >24" Diameter Hole	885.79	

31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)

31 63 36 00-0006 LF 18" Hole Drilled/Auger Up To 24' Depth	38.96	
31 63 36 00-0007 LF 20" Hole Drilled/Auger Up To 24' Depth	45.31	
31 63 36 00-0008 LF 22" Hole Drilled/Auger Up To 24' Depth	53.24	
31 63 36 00-0009 LF 24" Hole Drilled/Auger Up To 24' Depth	62.75	
31 63 36 00-0010 LF 26" Hole Drilled/Auger Up To 24' Depth	67.82	
31 63 36 00-0011 LF 28" Hole Drilled/Auger Up To 24' Depth	74.62	
31 63 36 00-0012 LF 30" Hole Drilled/Auger Up To 24' Depth	81.73	

31 63 36 00-0013 Steel H-Section Piles (31 63 36)

31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole (31 63 36 00-0013)

Note: Includes guides, bracing and alignment.

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015 VLF 8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel.....	38.57	
For >2,400 To 3,600, Deduct	-1.20	
For >3,600 To 4,800, Deduct	-2.40	
For >4,800 To 6,000, Deduct	-4.33	
For >6,000, Deduct	-6.25	
For >3 To 9, Deduct	-2.19	
For >9, Deduct	-4.53	
31 63 36 00-0016 VLF 10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel.....	43.91	
For >2,400 To 3,600, Deduct	-1.34	
For >3,600 To 4,800, Deduct	-2.69	
For >4,800 To 6,000, Deduct	-4.88	
For >6,000, Deduct	-7.08	
For >3 To 9, Deduct	-2.56	
For >9, Deduct	-5.28	
31 63 36 00-0017 VLF 10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel.....	56.08	
For >2,400 To 3,600, Deduct	-1.65	
For >3,600 To 4,800, Deduct	-3.30	
For >4,800 To 6,000, Deduct	-6.10	
For >6,000, Deduct	-8.90	
For >3 To 9, Deduct	-3.47	
For >9, Deduct	-7.17	
31 63 36 00-0018 VLF 12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel.....	53.12	
For >2,400 To 3,600, Deduct	-1.58	
For >3,600 To 4,800, Deduct	-3.16	
For >4,800 To 6,000, Deduct	-5.82	
For >6,000, Deduct	-8.47	
For >3 To 9, Deduct	-3.23	
For >9, Deduct	-6.67	
31 63 36 00-0019 VLF 12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel.....	61.23	
For >2,400 To 3,600, Deduct	-1.78	
For >3,600 To 4,800, Deduct	-3.57	
For >4,800 To 6,000, Deduct	-6.63	
For >6,000, Deduct	-9.69	
For >3 To 9, Deduct	-3.83	
For >9, Deduct	-7.92	
31 63 36 00-0020 VLF 12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel.....	71.00	
For >2,400 To 3,600, Deduct	-2.05	
For >3,600 To 4,800, Deduct	-4.10	
For >4,800 To 6,000, Deduct	-7.65	
For >6,000, Deduct	-11.20	
For >3 To 9, Deduct	-4.50	
For >9, Deduct	-9.31	
31 63 36 00-0021 VLF 12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel.....	79.11	
For >2,400 To 3,600, Deduct	-2.25	
For >3,600 To 4,800, Deduct	-4.50	
For >4,800 To 6,000, Deduct	-8.46	
For >6,000, Deduct	-12.41	
For >3 To 9, Deduct	-5.11	
For >9, Deduct	-10.56	
31 63 36 00-0022 VLF 14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel.....	70.46	
For >2,400 To 3,600, Deduct	-2.04	
For >3,600 To 4,800, Deduct	-4.08	
For >4,800 To 6,000, Deduct	-7.61	
For >6,000, Deduct	-11.13	
For >3 To 9, Deduct	-4.44	
For >9, Deduct	-9.18	
31 63 36 00-0023 VLF 14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel.....	84.25	
For >2,400 To 3,600, Deduct	-2.39	
For >3,600 To 4,800, Deduct	-4.77	
For >4,800 To 6,000, Deduct	-8.99	
For >6,000, Deduct	-13.20	
For >3 To 9, Deduct	-5.48	
For >9, Deduct	-11.32	
31 63 36 00-0024 VLF 14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel.....	94.92	
For >2,400 To 3,600, Deduct	-2.68	
For >3,600 To 4,800, Deduct	-5.35	
For >4,800 To 6,000, Deduct	-10.10	
For >6,000, Deduct	-14.85	
For >3 To 9, Deduct	-6.21	
For >9, Deduct	-12.83	
31 63 36 00-0025 VLF 14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel.....	107.91	
For >2,400 To 3,600, Deduct	-3.00	
For >3,600 To 4,800, Deduct	-6.00	
For >4,800 To 6,000, Deduct	-11.40	
For >6,000, Deduct	-16.80	
For >3 To 9, Deduct	-7.18	
For >9, Deduct	-14.84	

31 63 36 00-0026 Welded Steel Stud Pins (31 63 36 00-0013)
 Note: Includes welding to steel piles.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Stud Pins	10.21	
For >50 To 150, Deduct	-0.46	
For >150 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.92	
For >3 To 9, Deduct	-0.07	
For >9, Deduct	-0.15	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Stud Pins.....	11.21	
For >50 To 150, Deduct	-0.46	
For >150 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.99	
For >3 To 9, Deduct	-0.15	
For >9, Deduct	-0.31	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Stud Pins.....	12.18	
For >50 To 150, Deduct	-0.46	
For >150 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-2.07	
For >3 To 9, Deduct	-0.22	
For >9, Deduct	-0.46	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Stud Pins	11.27	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-2.06	
For >3 To 9, Deduct	-0.12	
For >9, Deduct	-0.24	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Stud Pins.....	12.79	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-2.17	
For >3 To 9, Deduct	-0.23	
For >9, Deduct	-0.48	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Stud Pins.....	13.85	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.66	
For >500, Deduct	-2.25	
For >3 To 9, Deduct	-0.31	
For >9, Deduct	-0.64	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Stud Pins	12.56	
For >50 To 150, Deduct	-0.50	
For >150 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.64	
For >500, Deduct	-2.20	
For >3 To 9, Deduct	-0.19	
For >9, Deduct	-0.38	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Stud Pins.....	15.03	
For >50 To 150, Deduct	-0.50	
For >150 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.39	
For >3 To 9, Deduct	-0.37	
For >9, Deduct	-0.77	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Stud Pins.....	16.25	
For >50 To 150, Deduct	-0.50	
For >150 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.48	
For >3 To 9, Deduct	-0.46	
For >9, Deduct	-0.95	
31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small>		
See CSI section 03 31 13 00-0088 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	31.50	
For >3 To 9, Deduct	-1.71	
For >9, Deduct	-3.54	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	35.00	
For >3 To 9, Deduct	-1.90	
For >9, Deduct	-3.93	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	38.49	
For >3 To 9, Deduct	-2.09	
For >9, Deduct	-4.32	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.00	
For >3 To 9, Deduct	-2.28	
For >9, Deduct	-4.72	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	45.50	
For >3 To 9, Deduct	-2.47	
For >9, Deduct	-5.11	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	48.99	
For >3 To 9, Deduct	-2.66	
For >9, Deduct	-5.50	

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 63	Bored Piles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	57.68	
<i>For >3 To 9, Deduct</i>	-2.85	
<i>For >9, Deduct</i>	-5.90	

END OF SECTION 31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements⁽³²⁾

32 01 11 Paving Cleaning^(32 01)

32 01 11 53 Paint Removal From Paving^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Remove 4" Wide Painted Or Epoxy Pavement Striping.....	1.61
	For Up To 250, Add	0.81
	For >250 To 1,000, Add	0.40
	For >5,000 To 10,000, Deduct	-0.24
	For >10,000 To 25,000, Deduct	-0.40
	For >25,000 To 50,000, Deduct	-0.56
	For >50,000, Deduct	-0.64
32 01 11 53-0003	LF Remove 6" Wide Painted Or Epoxy Pavement Striping.....	1.93
	For Up To 250, Add	0.97
	For >250 To 1,000, Add	0.48
	For >5,000 To 10,000, Deduct	-0.29
	For >10,000 To 25,000, Deduct	-0.48
	For >25,000 To 50,000, Deduct	-0.68
	For >50,000, Deduct	-0.77
32 01 11 53-0004	LF Remove 8" Wide Painted Or Epoxy Pavement Striping.....	2.31
	For Up To 250, Add	1.16
	For >250 To 1,000, Add	0.58
	For >5,000 To 10,000, Deduct	-0.35
	For >10,000 To 25,000, Deduct	-0.58
	For >25,000 To 50,000, Deduct	-0.81
	For >50,000, Deduct	-0.92
32 01 11 53-0005	LF Remove 12" Wide Painted Or Epoxy Pavement Striping.....	2.77
	For Up To 250, Add	1.39
	For >250 To 1,000, Add	0.69
	For >5,000 To 10,000, Deduct	-0.42
	For >10,000 To 25,000, Deduct	-0.69
	For >25,000 To 50,000, Deduct	-0.97
	For >50,000, Deduct	-1.11
32 01 11 53-0006	SF Remove Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	2.77
	For Up To 250, Add	1.39
	For >250 To 1,000, Add	0.69
	For >5,000 To 10,000, Deduct	-0.42
	For >10,000 To 25,000, Deduct	-0.69
	For >25,000 To 50,000, Deduct	-0.97
	For >50,000, Deduct	-1.11
32 01 11 53-0007	LF Remove 4" Wide Thermoplastic Pavement Striping.....	2.43
	For Up To 250, Add	1.22
	For >250 To 1,000, Add	0.61
	For >5,000 To 10,000, Deduct	-0.36
	For >10,000 To 25,000, Deduct	-0.61
	For >25,000 To 50,000, Deduct	-0.85
	For >50,000, Deduct	-0.97
32 01 11 53-0008	LF Remove 6" Wide Thermoplastic Pavement Striping.....	2.87
	For Up To 250, Add	1.44
	For >250 To 1,000, Add	0.72
	For >5,000 To 10,000, Deduct	-0.43
	For >10,000 To 25,000, Deduct	-0.72
	For >25,000 To 50,000, Deduct	-1.00
	For >50,000, Deduct	-1.15
32 01 11 53-0009	LF Remove 8" Wide Thermoplastic Pavement Striping.....	3.47
	For Up To 250, Add	1.74
	For >250 To 1,000, Add	0.87
	For >5,000 To 10,000, Deduct	-0.52
	For >10,000 To 25,000, Deduct	-0.87
	For >25,000 To 50,000, Deduct	-1.21
	For >50,000, Deduct	-1.39
32 01 11 53-0010	LF Remove 12" Wide Thermoplastic Pavement Striping.....	4.15
	For Up To 250, Add	2.08
	For >250 To 1,000, Add	1.04
	For >5,000 To 10,000, Deduct	-0.62
	For >10,000 To 25,000, Deduct	-1.04
	For >25,000 To 50,000, Deduct	-1.45
	For >50,000, Deduct	-1.66
32 01 11 53-0011	SF Remove Thermoplastic Pavement Marking, Letters Or Symbols.....	4.15
	For Up To 250, Add	2.08
	For >250 To 1,000, Add	1.04
	For >5,000 To 10,000, Deduct	-0.62
	For >10,000 To 25,000, Deduct	-1.04
	For >25,000 To 50,000, Deduct	-1.45
	For >50,000, Deduct	-1.66

32 01 16 Flexible Paving Rehabilitation^(32 01)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0003	SY	Production Cold Milling Of Asphalt Up To 3" Depth	2.85
		For >10,000 To 25,000, Deduct	-0.14
		For >25,000, Deduct	-0.29
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	3.81
		For >10,000 To 25,000, Deduct	-0.19
		For >25,000, Deduct	-0.38
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	5.08
		For >10,000 To 25,000, Deduct	-0.25
		For >25,000, Deduct	-0.51
32 01 16 71-0006	SY	Production Cold Milling Of Concrete Per Inch.....	4.33

32 01 16 71-0007 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0008	SY	Limited Cold Milling Of Asphalt Up To 3" Depth.....	19.90
		For >100 To 1,000, Deduct	-9.95
		For >1,000, Deduct	-14.93
32 01 16 71-0009	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt.....	26.34
		For >100 To 1,000, Deduct	-13.17
		For >1,000, Deduct	-19.76
32 01 16 71-0010	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt.....	35.09
		For >100 To 1,000, Deduct	-17.55
		For >1,000, Deduct	-26.32
32 01 16 71-0011	SY	Limited Cold Milling Of Concrete Per Inch	29.91
32 01 16 71-0012	EA	Replace Traffic Induction Loop	458.10
		Note: Includes saw cutting, replacement wire for 1 induction loop circuit, and sealing cut. Does not include junction box or conduit.	

32 01 16 71-0013 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0014	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.43
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32 01 16 72 Asphalt Paving Reuse (32 01 16)**32 01 16 72-0001 Reclamation, Pulverize And Blending With Existing** (32 01 16 72)

Note: Includes direct loading into truck.

32 01 16 72-0002	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.71
32 01 16 72-0003	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.36
32 01 16 72-0004	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.68
32 01 16 72-0005	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.54
32 01 16 72-0006	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.92
32 01 16 72-0007	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.69
32 01 16 72-0008	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.84
32 01 16 72-0009	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.76
32 01 16 72-0010	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.86
32 01 16 72-0011	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.44
32 01 16 72-0012	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.21
32 01 16 72-0013	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.97
32 01 16 72-0014	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.03
32 01 16 72-0015	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.02
32 01 16 72-0016	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.50
32 01 16 72-0017	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.27
32 01 16 72-0018	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,205.75

32 01 16 72-0019 Rejuvenate, Respread Asphalt Pavement (32 01 16 72)

Note: Includes direct loading into truck.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 16 72-0020	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	8.69
32 01 16 72-0021	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	10.27
32 01 16 72-0022	TON	Remove, Rejuvenate, Respread Asphalt Grindings.....	136.47

32 01 16 73 In Place Cold Reused Asphalt Paving (32 01 16)

32 01 16 73-0001		Cold-In-Place-Partial Depth Recycling Process with Foam Asphalt <small>(32 01 16 73)</small> Note: Includes milling between 3"-6" of existing AC surface, computerized metered injection of liquid asphalt, cement, and water mix together as binder with milled material, spread and place with paver, follow by vibratory steel drum roller, Cat CB534D or equivalent, then follow by rubber tired roller, Hypac C560A or equivalent. The Contractor will provide all the necessary engineering, preconstruction soil analysis, stamped mix design, in-place compaction testing of recycled material and any other QC/QA during construction. The recycled material (from milled surface mixed with liquid asphalt, cement, and water) shall meet Class II AB (3/4" max.) gradation and shall compact at 96% relative compaction or higher. The Contractor's process shall be capable of producing between 450-500 tons per hour of recycled, in-place material. The Contractor shall warranty their work for a period of two years. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.	
32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Recycling Process With Foam Asphalt.....	2.73
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Recycling Process With Foam Asphalt	2.53
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Recycling Process With Foam Asphalt	2.08
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Recycling Process With Foam Asphalt	1.74
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Recycling Process With Foam Asphalt	1.54
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Recycling Process With Foam Asphalt	1.39
32 01 16 73-0008	SF	>500,000 SF Cold In Place Recycling Process With Foam Asphalt	1.28

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001		Asphalt Pavement Crack And Sealing Repair <small>(32 01 17 61)</small> Note: Includes sweeping and cleaning of area.	
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.13
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.30
		For 1" x 1/2" Fill, Add	0.55
		For Backer Rod, Add	0.65
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.91
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.24
		For 1" x 1/2" Fill, Add	0.45
		For Backer Rod, Add	0.59
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.72
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.20
		For 1" x 1/2" Fill, Add	0.37
		For Backer Rod, Add	0.54
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.62
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.17
		For 1" x 1/2" Fill, Add	0.32
		For Backer Rod, Add	0.51
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.56
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.15
		For 1" x 1/2" Fill, Add	0.29
		For Backer Rod, Add	0.49
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.52
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.14
		For 1" x 1/2" Fill, Add	0.27
		For Backer Rod, Add	0.47
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.05
		For 3/8" x 1/4" Fill, Add	0.44
		For 1/2" x 1/4" Fill, Add	0.81
		For 1/2" x 1/2" Fill, Add	1.83
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.65
		For 3/8" x 1/4" Fill, Add	0.36
		For 1/2" x 1/4" Fill, Add	0.66
		For 1/2" x 1/2" Fill, Add	1.52
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.26
		For 3/8" x 1/4" Fill, Add	0.28
		For 1/2" x 1/4" Fill, Add	0.52
		For 1/2" x 1/2" Fill, Add	1.21
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.11
		For 3/8" x 1/4" Fill, Add	0.25
		For 1/2" x 1/4" Fill, Add	0.46
		For 1/2" x 1/2" Fill, Add	1.07
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.01
		For 3/8" x 1/4" Fill, Add	0.23
		For 1/2" x 1/4" Fill, Add	0.41
		For 1/2" x 1/2" Fill, Add	0.95

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0013	LF		>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.94	
			For 3/8" x 1/4" Fill, Add	0.21	
			For 1/2" x 1/4" Fill, Add	0.39	
			For 1/2" x 1/2" Fill, Add	0.90	
32 01 17 61-0014	LF		For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.39	
32 01 17 61-0015	LNMI		Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile.....	2,687.65	
			Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		
32 01 17 63 Pavement Repair (32 01 17)					
32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)					
			Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 01 17 63-0002	EA		Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,234.88	
32 01 17 63-0003	TON		Temporary Pot Hole Repairs With Cold Mix Modified.....	374.76	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA		Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,175.35	
32 01 17 63-0005	TON		Temporary Pot Hole Repairs With Cold Mix.....	354.91	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA		Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,145.58	
32 01 17 63-0007	TON		Temporary Pot Hole Repairs With Hot Mix Modified.....	344.99	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0008	EA		Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,115.81	
32 01 17 63-0009	TON		Temporary Pot Hole Repairs With Hot Mix.....	335.07	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)					
			Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 01 17 63-0011	EA		Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,274.59	
32 01 17 63-0012	TON		Permanent Pot Hole Repairs With Cold Mix.....	414.67	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0013	EA		Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,244.82	
32 01 17 63-0014	TON		Permanent Pot Hole Repairs With Hot Mix Modified.....	404.75	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0015	EA		Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,215.05	
32 01 17 63-0016	TON		Permanent Pot Hole Repairs With Hot Mix.....	394.83	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)					
			Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0040 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA		Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	1,730.68	
			Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0019	TON		Asphalt Placement For Small Repair Areas, Cold Mix Modified.....	246.56	
			Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0020	EA		Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons.....	1,671.15	
			Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0021	TON		Asphalt Placement For Small Repair Areas, Cold Mix.....	226.71	
			Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0022	EA		Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	1,641.38	
			Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0023	TON		Asphalt Placement For Small Repair Areas, Hot Mix Modified.....	216.79	
			Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0024	EA		Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons.....	1,611.61	
			Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0025	TON		Asphalt Placement For Small Repair Areas, Hot Mix.....	206.87	
			Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0026 Grind Asphalt (32 01 17 63)					
32 01 17 63-0027	SY		Grinding Asphalt To Level Bump Or Raised Area.....	16.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 26 Rigid Paving Rehabilitation (32 01)

32 01 26 71 Grooving Of Concrete Paving (32 01 26)

32 01 26 71-0001	Roadway Grooving			
32 01 26 71-0002	SY	Pavement Grooving, Concrete, Longitudinal		0.91
32 01 26 71-0003	SY	Pavement Grooving, Concrete, Transverse		0.68

32 01 26 71-0004 Rumble Strips (32 01 26 71)

32 01 26 71-0005	LF	Safe-Strips Shoulder Rumble Strips, Asphalt		0.27
32 01 26 71-0006	LF	Safe-Strips Shoulder Rumble Strips, Concrete		0.66

32 01 26 71-0007 Boat Ramps Grooving (32 01 26 71)

32 01 26 71-0008	SY	Concrete Grooving, Boat Ramps		1.44
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32 01 90 Operation And Maintenance Of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)		10.82
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)		7.73
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)		8.50
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)		6.92

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR	Grass Cutting		140.05
		Note: Includes normal debris removal, cutting, trimming and disposal of waste.		
		For <1 Acre, Add		35.01

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001 Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0002	EA	Tree Pruning (Crown Cleaning), 1-1/2" Caliper		23.72
		For Crown Thinning, Tree Pruning, Add		5.34
		For Crown Raising, Pruning, Add		8.30
		For Crown Reduction, Tree Pruning, Add		10.67
		For Crown Restoration, Pruning, Add		15.81
32 01 90 23-0003	EA	Tree Pruning (Crown Cleaning), 2" Caliper		27.11
		For Crown Thinning, Tree Pruning, Add		6.10
		For Crown Raising, Pruning, Add		9.49
		For Crown Reduction, Tree Pruning, Add		12.20
		For Crown Restoration, Pruning, Add		18.07
32 01 90 23-0004	EA	Tree Pruning (Crown Cleaning), 2-1/2" Caliper		30.50
		For Crown Thinning, Tree Pruning, Add		6.86
		For Crown Raising, Pruning, Add		10.68
		For Crown Reduction, Tree Pruning, Add		13.73
		For Crown Restoration, Pruning, Add		20.33
32 01 90 23-0005	EA	Tree Pruning (Crown Cleaning), 3" Caliper		33.90
		For Crown Thinning, Tree Pruning, Add		7.63
		For Crown Raising, Pruning, Add		11.87
		For Crown Reduction, Tree Pruning, Add		15.26
		For Crown Restoration, Pruning, Add		22.60

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0006 EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	51.51	
For Crown Thinning, Tree Pruning, Add	11.59	
For Crown Raising, Pruning, Add	18.03	
For Crown Reduction, Tree Pruning, Add	23.18	
For Crown Restoration, Pruning, Add	34.34	
32 01 90 23-0007 EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment.....	85.37	
For Crown Thinning, Tree Pruning, Add	19.21	
For Crown Raising, Pruning, Add	29.88	
For Crown Reduction, Tree Pruning, Add	38.42	
For Crown Restoration, Pruning, Add	56.92	
32 01 90 23-0008 EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	90.14	
For Crown Thinning, Tree Pruning, Add	20.28	
For Crown Raising, Pruning, Add	31.55	
For Crown Reduction, Tree Pruning, Add	40.56	
For Crown Restoration, Pruning, Add	60.10	
32 01 90 23-0009 EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment.....	162.60	
For Crown Thinning, Tree Pruning, Add	36.59	
For Crown Raising, Pruning, Add	56.91	
For Crown Reduction, Tree Pruning, Add	73.17	
For Crown Restoration, Pruning, Add	108.41	
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	144.34	
For Crown Thinning, Tree Pruning, Add	32.48	
For Crown Raising, Pruning, Add	50.52	
For Crown Reduction, Tree Pruning, Add	64.95	
For Crown Restoration, Pruning, Add	96.23	
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	260.10	
For Crown Thinning, Tree Pruning, Add	58.52	
For Crown Raising, Pruning, Add	91.04	
For Crown Reduction, Tree Pruning, Add	117.05	
For Crown Restoration, Pruning, Add	173.41	
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	166.79	
For Crown Thinning, Tree Pruning, Add	37.53	
For Crown Raising, Pruning, Add	58.38	
For Crown Reduction, Tree Pruning, Add	75.06	
For Crown Restoration, Pruning, Add	111.20	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	300.78	
For Crown Thinning, Tree Pruning, Add	67.68	
For Crown Raising, Pruning, Add	105.27	
For Crown Reduction, Tree Pruning, Add	135.35	
For Crown Restoration, Pruning, Add	200.53	
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand	193.88	
For Crown Thinning, Tree Pruning, Add	43.62	
For Crown Raising, Pruning, Add	67.86	
For Crown Reduction, Tree Pruning, Add	87.25	
For Crown Restoration, Pruning, Add	129.26	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	349.57	
For Crown Thinning, Tree Pruning, Add	78.65	
For Crown Raising, Pruning, Add	122.35	
For Crown Reduction, Tree Pruning, Add	157.31	
For Crown Restoration, Pruning, Add	233.06	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	236.01	
For Crown Thinning, Tree Pruning, Add	53.10	
For Crown Raising, Pruning, Add	82.60	
For Crown Reduction, Tree Pruning, Add	106.20	
For Crown Restoration, Pruning, Add	157.35	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	422.80	
For Crown Thinning, Tree Pruning, Add	95.13	
For Crown Raising, Pruning, Add	147.98	
For Crown Reduction, Tree Pruning, Add	190.26	
For Crown Restoration, Pruning, Add	281.88	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	293.18	
For Crown Thinning, Tree Pruning, Add	65.97	
For Crown Raising, Pruning, Add	102.61	
For Crown Reduction, Tree Pruning, Add	131.93	
For Crown Restoration, Pruning, Add	195.46	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	532.85	
For Crown Thinning, Tree Pruning, Add	119.89	
For Crown Raising, Pruning, Add	186.50	
For Crown Reduction, Tree Pruning, Add	239.78	
For Crown Restoration, Pruning, Add	355.25	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	401.56	
For Crown Thinning, Tree Pruning, Add	90.35	
For Crown Raising, Pruning, Add	140.55	
For Crown Reduction, Tree Pruning, Add	180.70	
For Crown Restoration, Pruning, Add	267.72	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	722.20	
For Crown Thinning, Tree Pruning, Add	162.50	
For Crown Raising, Pruning, Add	252.77	
For Crown Reduction, Tree Pruning, Add	324.99	
For Crown Restoration, Pruning, Add	481.49	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	637.06	
For Crown Thinning, Tree Pruning, Add	143.34	
For Crown Raising, Pruning, Add	222.97	
For Crown Reduction, Tree Pruning, Add	286.68	
For Crown Restoration, Pruning, Add	424.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	1,161.41	
<i>For Crown Thinning, Tree Pruning, Add</i>	261.32	
<i>For Crown Raising, Pruning, Add</i>	406.49	
<i>For Crown Reduction, Tree Pruning, Add</i>	522.63	
<i>For Crown Restoration, Pruning, Add</i>	774.31	
32 01 90 23-0024 EA Trim Mexican Palm Tree.....	71.86	
32 01 90 23-0025 EA Trim Date Palm Tree	162.16	
32 01 90 23-0026 LF Skin Palm Tree	18.43	
32 01 90 23-0027 Shrub Pruning (32 01 90 23)		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed	77.23	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	2.71	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height.....	6.10	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'	10.84	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground.....	27.11	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work.....	67.78	
32 01 90 23-0034 Root Pruning (32 01 90 23)		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	13.55	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	16.95	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	20.33	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	27.11	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	40.67	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	50.83	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	71.17	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	81.34	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	94.90	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	118.62	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	145.73	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	169.46	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	203.34	
32 01 90 26 Watering (32 01 90)		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water.....	27.65	
32 01 90 26-0003 CSF Watering Groundcover.....	4.49	
32 01 90 26-0004 CSF Watering Annuals And Perennials	8.26	
32 01 90 26-0005 EA Watering Trees, 1" To 5" Diameter By Hand	8.32	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	11.13	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	14.07	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	16.68	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand.....	7.28	
32 01 90 36 Weed And Brush Control (32 01 90)		
32 01 90 36-0001 MSF Non-Selective Post Emergent Weed Herbicide	5.75	
<i>For >45 To 90, Deduct</i>	-0.26	
<i>For >90 To 225, Deduct</i>	-0.81	
<i>For >225, Deduct</i>	-1.34	
32 01 90 36-0002 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide.....	6.15	
<i>For >45 To 90, Deduct</i>	-0.26	
<i>For >90 To 225, Deduct</i>	-0.83	
<i>For >225, Deduct</i>	-1.36	
32 01 90 36-0003 MSF Selective Weed Herbicide.....	6.04	
Note: Includes pre and post emergents.		
<i>For >45 To 90, Deduct</i>	-0.26	
<i>For >90 To 225, Deduct</i>	-0.83	
<i>For >225, Deduct</i>	-1.35	
32 01 90 36-0004 MSF Selective Woody Brush And Tree Herbicide.....	6.26	
Note: Includes pre and post emergents.		
<i>For >45 To 90, Deduct</i>	-0.26	
<i>For >90 To 225, Deduct</i>	-0.84	
<i>For >225, Deduct</i>	-1.37	
32 01 90 39 Pesticides (32 01 90)		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	8.09	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	8.13	
32 01 90 39-0003 MSF Pesticide - Fungicide Application.....	8.86	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 90 43 Weed And Cultivate Beds (32 01 90)**

32 01 90 43-0001	MSF	Weed Mulched Bed.....	33.24
32 01 90 43-0002	MSF	Weed Unmulched Bed.....	94.97
32 01 90 43-0003	MSF	Cultivate Bed.....	51.14

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide.....	4.06
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide.....	6.09
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide.....	9.22
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	9.40

32 01 90 49 Turf And Fence Spray (32 01 90)

32 01 90 49-0001	ACR	Turf Spray, Machine.....	286.90
32 01 90 49-0002	CLF	Fence Spray, Hand.....	36.72

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA	Plant Growth Regulator Application.....	4.70
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32 10 Bases, Ballasts, And Paving (32)**32 11 Base Courses (32 10)****32 11 16 Subbase Courses (32 11)****32 11 16 16 Aggregate Subbase Courses (32 11 16)****32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)**

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course.....	54.93
		<i>For Limestone, Deduct</i>	-2.94
32 11 16 16-0004	CY	Class II Base Course.....	59.61
32 11 16 16-0005	CY	Class III Base Course.....	60.50
32 11 16 16-0006	CY	Recycled Base Course.....	41.02

32 11 16 16-0007 Class II Base Courses By The SY (32 11 16 16-0001)

32 11 16 16-0008	SY	2" (5 cm) Class II Crushed Aggregate Base Course.....	3.07
		<i>For Limestone, Deduct</i>	-0.17
		<i>For Up To 500, Add</i>	0.83
		<i>For >500 To 1,000, Add</i>	0.31
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000, Deduct</i>	-0.20
32 11 16 16-0009	SY	4" (10 cm) Class II Crushed Aggregate Base Course.....	5.82
		<i>For Limestone, Deduct</i>	-0.27
		<i>For Up To 500, Add</i>	1.60
		<i>For >500 To 1,000, Add</i>	0.58
		<i>For >5,000 To 10,000, Deduct</i>	-0.22
		<i>For >10,000, Deduct</i>	-0.38
32 11 16 16-0010	SY	6" (15 cm) Class II Crushed Aggregate Base Course.....	9.03
		<i>For Limestone, Deduct</i>	-0.47
		<i>For Up To 500, Add</i>	2.45
		<i>For >500 To 1,000, Add</i>	0.90
		<i>For >5,000 To 10,000, Deduct</i>	-0.34
		<i>For >10,000, Deduct</i>	-0.59
32 11 16 16-0011	SY	9" (23 cm) Class II Crushed Aggregate Base Course.....	13.24
		<i>For Limestone, Deduct</i>	-0.65
		<i>For Up To 500, Add</i>	3.62
		<i>For >500 To 1,000, Add</i>	1.32
		<i>For >5,000 To 10,000, Deduct</i>	-0.50
		<i>For >10,000, Deduct</i>	-0.86
32 11 16 16-0012	SY	12" (30 cm) Class II Crushed Aggregate Base Course.....	18.29
		<i>For Limestone, Deduct</i>	-0.98
		<i>For Up To 500, Add</i>	4.95
		<i>For >500 To 1,000, Add</i>	1.83
		<i>For >5,000 To 10,000, Deduct</i>	-0.70
		<i>For >10,000, Deduct</i>	-1.19

32 11 23 Aggregate Base Courses (32 11)**32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 23 16-0002 SF 2" Crushed Aggregate Base Course.....	0.41	
<i>For Up To 1,000, Add</i>	0.11	
<i>For >1,000 To 2,500, Add</i>	0.04	
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course.....	0.58	
<i>For Up To 1,000, Add</i>	0.16	
<i>For >1,000 To 2,500, Add</i>	0.06	
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course.....	0.75	
<i>For Up To 1,000, Add</i>	0.21	
<i>For >1,000 To 2,500, Add</i>	0.08	
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course.....	0.97	
<i>For Up To 1,000, Add</i>	0.27	
<i>For >1,000 To 2,500, Add</i>	0.10	
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course.....	1.18	
<i>For Up To 1,000, Add</i>	0.33	
<i>For >1,000 To 2,500, Add</i>	0.12	
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course.....	1.35	
<i>For Up To 1,000, Add</i>	0.38	
<i>For >1,000 To 2,500, Add</i>	0.14	
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course.....	1.55	
<i>For Up To 1,000, Add</i>	0.44	
<i>For >1,000 To 2,500, Add</i>	0.16	
32 11 26 Asphaltic Base Courses (32 11)		
32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)		
32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)		
32 11 26 19-0002 CY Bituminous Stabilized Base Course.....	75.73	
<i>Note: 3/4" ASTM C33.</i>		
32 12 Flexible Paving (32 10)		
32 12 13 Preparatory Coats (32 12)		
32 12 13 13 Tack Coats (32 12 13)		
32 12 13 13-0001 SY Tack Coat, 0.1 Gallon/SY.....	0.60	
<i>For Up To 150, Add</i>	0.12	
<i>For >150 To 300, Add</i>	0.06	
<i>For >300 To 500, Add</i>	0.03	
<i>For >3,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000, Deduct</i>	-0.04	
32 12 13 19 Prime Coats (32 12 13)		
32 12 13 19-0001 SY Surface Prime Coat, 0.28 Gallon/SY.....	1.07	
<i>For Up To 150, Add</i>	0.24	
<i>For >150 To 300, Add</i>	0.11	
<i>For >300 To 500, Add</i>	0.05	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.07	
32 12 16 Asphalt Paving (32 12)		
32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)		
<i>Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.</i>		
32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
<i>Note: Meets Caltran requirements.</i>		
32 12 16 13-0002 TON Bituminous Hot Mix Intermediate Course 3,954 LB/CY.....	106.76	
<i>Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.</i>		
<i>For PG64-10 Asphalt, Add</i>	13.05	
<i>For >500 To 1,000, Deduct</i>	-4.67	
<i>For >1,000 To 2,500, Deduct</i>	-8.46	
<i>For >2,500 To 5,000, Deduct</i>	-13.13	
<i>For >5,000, Deduct</i>	-18.82	
32 12 16 13-0003 SY 1" Thick Binder Course.....	6.21	
<i>Note: Includes placement, rolling, finishing and sweeping.</i>		
<i>For PG64-10 Asphalt, Add</i>	0.72	
<i>For >10,000 To 20,000, Deduct</i>	-0.27	
<i>For >20,000 To 50,000, Deduct</i>	-0.49	
<i>For >50,000 To 100,000, Deduct</i>	-0.76	
<i>For >100,000, Deduct</i>	-1.08	
32 12 16 13-0004 SY 1-1/2" Thick Binder Course.....	9.16	
<i>Note: Includes placement, rolling, finishing and sweeping.</i>		
<i>For PG64-10 Asphalt, Add</i>	1.08	
<i>For >7,000 To 14,000, Deduct</i>	-0.40	
<i>For >14,000 To 32,000, Deduct</i>	-0.72	
<i>For >32,000 To 64,000, Deduct</i>	-1.12	
<i>For >64,000, Deduct</i>	-1.61	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0005	SY		2" Thick Binder Course	12.09	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	1.43	
			For >5,000 To 10,000, Deduct	-0.53	
			For >10,000 To 24,000, Deduct	-0.96	
			For >24,000 To 48,000, Deduct	-1.49	
			For >48,000, Deduct	-2.14	
32 12 16 13-0006	SY		2-1/2" Thick Binder Course	14.68	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	1.79	
			For >4,000 To 8,000, Deduct	-0.65	
			For >8,000 To 20,000, Deduct	-1.18	
			For >20,000 To 40,000, Deduct	-1.84	
			For >40,000, Deduct	-2.63	
32 12 16 13-0007	SY		3" Thick Binder Course	17.29	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	2.15	
			For >3,000 To 6,000, Deduct	-0.78	
			For >6,000 To 16,000, Deduct	-1.41	
			For >16,000 To 32,000, Deduct	-2.18	
			For >32,000, Deduct	-3.13	
32 12 16 13-0008	SY		3-1/2" Thick Binder Course	20.14	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	2.51	
			For >2,800 To 5,600, Deduct	-0.90	
			For >5,600 To 14,000, Deduct	-1.64	
			For >14,000 To 28,000, Deduct	-2.55	
			For >28,000, Deduct	-3.65	
32 12 16 13-0009	SY		4" Thick Binder Course	23.06	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	2.87	
			For >2,500 To 5,000, Deduct	-1.03	
			For >5,000 To 12,000, Deduct	-1.88	
			For >12,000 To 24,000, Deduct	-2.91	
			For >24,000, Deduct	-4.18	
32 12 16 13-0010	SY		5" Thick Binder Course	28.79	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	3.58	
			For >2,000 To 3,900, Deduct	-1.29	
			For >3,900 To 10,000, Deduct	-2.35	
			For >10,000 To 20,000, Deduct	-3.64	
			For >20,000, Deduct	-5.22	
32 12 16 13-0011	SY		6" Thick Binder Course	34.59	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	4.30	
			For >1,600 To 3,200, Deduct	-1.55	
			For >3,200 To 8,000, Deduct	-2.82	
			For >8,000 To 16,000, Deduct	-4.37	
			For >16,000, Deduct	-6.27	
32 12 16 13-0012			Surface Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
			Note: Meets Caltran requirements.		
32 12 16 13-0013	TON		Bituminous Hot Mix Surface Course 3954 LB/CY	111.70	
			Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			For PG64-10 Asphalt, Add	6.53	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000 To 2,500, Deduct	-8.62	
			For >2,500 To 5,000, Deduct	-13.37	
			For >5,000, Deduct	-19.18	
32 12 16 13-0014	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course	132.35	
			Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			For Warm Mix Additive, Add	6.73	
32 12 16 13-0015	SY		1" Thick Surface Course	6.35	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.34	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000 To 50,000, Deduct	-0.48	
			For >50,000 To 100,000, Deduct	-0.75	
			For >100,000, Deduct	-1.07	
32 12 16 13-0016	SY		1-1/2" Thick Surface Course	9.34	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.51	
			For >7,000 To 14,000, Deduct	-0.39	
			For >14,000 To 32,000, Deduct	-0.72	
			For >32,000 To 64,000, Deduct	-1.11	
			For >64,000, Deduct	-1.59	
32 12 16 13-0017	SY		2" Thick Surface Course	12.29	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.68	
			For >5,000 To 10,000, Deduct	-0.52	
			For >10,000 To 24,000, Deduct	-0.95	
			For >24,000 To 48,000, Deduct	-1.47	
			For >48,000, Deduct	-2.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0018 SY 2-1/2" Thick Surface Course.....	14.82	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.86	
For >4,000 To 8,000, Deduct	-0.64	
For >8,000 To 20,000, Deduct	-1.16	
For >20,000 To 40,000, Deduct	-1.80	
For >40,000, Deduct	-2.59	
32 12 16 13-0019 SY 3" Thick Surface Course.....	17.38	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.03	
For >3,000 To 6,000, Deduct	-0.76	
For >6,000 To 16,000, Deduct	-1.38	
For >16,000 To 32,000, Deduct	-2.14	
For >32,000, Deduct	-3.07	
32 12 16 13-0020 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	48.83	
32 12 16 13-0021 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0022 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	252.52	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	9.80	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	9.58	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	15.93	
32 12 16 39 Fabrics (32 12 16)		
See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001 SY 3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	0.78	
For Up To 50, Add	0.19	
For >50 To 150, Add	0.14	
For >150 To 250, Add	0.09	
For >250 To 500, Add	0.04	
32 12 16 39-0002 SY 4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	0.84	
For Up To 50, Add	0.20	
For >50 To 150, Add	0.15	
For >150 To 250, Add	0.10	
For >250 To 500, Add	0.05	
32 12 16 43 Waterproofing Membranes (32 12 16)		
32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane.....	27.26	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	20.44	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	12.71	
32 12 33 Flexible Paving Surface Treatments (32 12)		
32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	2.36	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	4.25	
32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)		
Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails.....	1.65	
32 12 36 Seal Coats (32 12)		
32 12 36 00-0001 Asphalt Seal Coating, For Roads And Parking Lot (32 12 36)		
Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002 SY Asphalt Seal Coating Minimum.....	352.63	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 12 36 00-0003 SY Type O Asphalt Seal Coating, No Aggregate.....	1.02	
32 12 36 00-0004 SY Up To 500 SY, Type I Slurry Seal Asphalt Coating.....	3.97	
Note: 1/8" thick.		
For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.44	
For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.51	
For Rubberized Polymer Modified Emulsion (RPME), Add	0.65	
32 12 36 00-0005 SY >500 To 1,000 SY, Type I Slurry Seal Asphalt Coating.....	2.99	
Note: 1/8" thick.		
For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.44	
For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.51	
For Rubberized Polymer Modified Emulsion (RPME), Add	0.65	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0006	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick.	2.30	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0007	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick.	1.82	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0008	SY	>20,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick.	1.43	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0009	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	5.67	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.42	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.53	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.42	
32 12 36 00-0010	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	4.59	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.37	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.48	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.37	
32 12 36 00-0011	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	3.68	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.31	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.41	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.31	
32 12 36 00-0012	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.97	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.26	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.35	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.26	
32 12 36 00-0013	SY	>20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.49	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.22	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.30	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.22	
32 12 36 00-0014	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	6.51	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.49	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.62	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.49	
32 12 36 00-0015	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	5.39	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.43	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.56	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.43	
32 12 36 00-0016	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	4.27	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.36	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.48	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.36	
32 12 36 00-0017	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	3.46	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.31	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.41	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.31	
32 12 36 00-0018	SY	>20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.92	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.26	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.36	
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.26	
32 12 36 00-0019	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.33	
32 12 36 00-0020	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.45	
32 12 36 00-0021	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.59	
32 12 36 00-0022	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.95	
32 12 36 00-0023	SY	>20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.49	
32 12 36 00-0024	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.12	
32 12 36 00-0025	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.24	
32 12 36 00-0026	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.30	
32 12 36 00-0027	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.59	
32 12 36 00-0028	SY	>20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.06	
32 12 36 00-0029		Water Based Emulsion Sealer (32 12 36) Note: Includes sweeping and cleaning of area.		
32 12 36 00-0030	SF	Up To 5,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.36	
		<i>For Additional Coats, Add</i>	0.20	
32 12 36 00-0031	SF	>5,000 To 10,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.29	
		<i>For Additional Coats, Add</i>	0.16	
32 12 36 00-0032	SF	>10,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.22	
		<i>For Additional Coats, Add</i>	0.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0033				Sand Sealer <small>(32 12 36)</small> Note: To be added to Slurry Seal.		
				32 12 36 00-0034 SY Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion.....	2.25	
				32 12 36 00-0035 SY >200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.70	
				32 12 36 00-0036 SY >500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.51	
				32 12 36 00-0037 SY >1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.15	
				32 12 36 00-0038 SY >4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.05	
				32 12 36 00-0039 SY >7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.96	
				32 12 36 00-0040 SY >16,700 SY Sand Seal Spray Applied Asphalt Emulsion.....	0.89	
32 12 36 00-0041				Fog Sealer <small>(32 12 36)</small>		
				32 12 36 00-0042 SY Up To 200 SY Fog Seal, SS-1H	2.01	
				32 12 36 00-0043 SY >200 To 500 SY Fog Seal, SS-1H.....	1.44	
				32 12 36 00-0044 SY >500 To 1,100 SY Fog Seal, SS-1.....	1.26	
				32 12 36 00-0045 SY >1,100 To 4,400 SY Fog Seal, SS-1H.....	0.90	
				32 12 36 00-0046 SY >4,400 To 7,800 SY Fog Seal, SS-1H.....	0.80	
				32 12 36 00-0047 SY >7,800 To 16,700 SY Fog Seal, SS-1H.....	0.71	
				32 12 36 00-0048 SY >16,700 SY Fog Seal, SS-1H.....	0.63	
32 12 36 00-0049				Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0050				Fine Screenings Seal Coat <small>(32 12 36 00-0049)</small> Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
				32 12 36 00-0051 SY Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.74	
				32 12 36 00-0052 SY >200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.12	
				32 12 36 00-0053 SY >500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.91	
				32 12 36 00-0054 SY >1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.54	
				32 12 36 00-0055 SY >4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.42	
				32 12 36 00-0056 SY >7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.31	
				32 12 36 00-0057 SY >16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.23	
32 12 36 00-0058				Medium Fine Screenings Seal Coat <small>(32 12 36 00-0049)</small> Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
				32 12 36 00-0059 SY Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.07	
				32 12 36 00-0060 SY >200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.41	
				32 12 36 00-0061 SY >500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.19	
				32 12 36 00-0062 SY >1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.80	
				32 12 36 00-0063 SY >4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.67	
				32 12 36 00-0064 SY >7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.56	
				32 12 36 00-0065 SY >16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.47	
32 12 36 00-0066				Medium Screenings Seal Coat <small>(32 12 36 00-0049)</small> Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
				32 12 36 00-0067 SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.18	
				32 12 36 00-0068 SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.51	
				32 12 36 00-0069 SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.28	
				32 12 36 00-0070 SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.89	
				32 12 36 00-0071 SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.75	
				32 12 36 00-0072 SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.64	
				32 12 36 00-0073 SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.55	
32 12 36 00-0074				Course Screenings Seal Coat <small>(32 12 36 00-0049)</small> Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
				32 12 36 00-0075 SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.26	
				32 12 36 00-0076 SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.58	
				32 12 36 00-0077 SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.35	
				32 12 36 00-0078 SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.95	
				32 12 36 00-0079 SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.82	
				32 12 36 00-0080 SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.70	
				32 12 36 00-0081 SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.60	
32 12 36 00-0082				Double Screenings Seal Coat <small>(32 12 36 00-0049)</small> Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
				32 12 36 00-0083 SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	5.01	
				32 12 36 00-0084 SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.98	
				32 12 36 00-0085 SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.64	
				32 12 36 00-0086 SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.04	
				32 12 36 00-0087 SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.84	
				32 12 36 00-0088 SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.68	
				32 12 36 00-0089 SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.52	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 00-0090	Seal Coat With Sand And Latex <small>(32 12 36)</small>	
32 12 36 00-0091	SF Up To 2,500 SF Seal Coat With Sand And Latex Added (One Coat)	0.47
32 12 36 00-0092	SF >2,500 To 5,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.40
32 12 36 00-0093	SF >5,000 To 10,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.30
32 12 36 00-0094	SF >10,000 To 25,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.23
32 12 36 00-0095	SF >25,000 To 50,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.18
32 12 36 00-0096	SF >50,000 To 100,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.16
32 12 36 00-0097	SF >100,000 To 200,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.14
32 12 36 00-0098	SF >200,000 To 400,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.13
32 12 36 00-0099	SF >400,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.12

32 12 36 00-0100	Asphalt Rubber Aggregate Membrane <small>(32 12 36)</small>	
	Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.	
32 12 36 00-0101	SY Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane	5.52
32 12 36 00-0102	SY >200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	4.42
32 12 36 00-0103	SY >500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.05
32 12 36 00-0104	SY >1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	3.44
32 12 36 00-0105	SY >4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.22
32 12 36 00-0106	SY >7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.05
32 12 36 00-0107	SY >16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	2.87

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001	Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small>	
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.	
32 12 43 00-0002	SF 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	2.40
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.	
	For Up To 100, Add	0.86
	For >100 To 500, Add	0.22
	For >1,000 To 5,000, Deduct	-0.10
	For >5,000, Deduct	-0.20

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001	Expansion Joint In Sidewalk <small>(32 12 73)</small>	
32 12 73 00-0002	LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk	2.85

32 13 Rigid Paving (32 10)

32 13 13 Concrete Paving (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 17 Roller-Compacted Concrete Paving (32 13 13)

32 13 13 17-0001	Concrete Paving Assemblies <small>(32 13 13 17)</small>	
	Note: Includes forms, wire mesh (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.	
32 13 13 17-0002	4,500 PSI Concrete Paving Assembly <small>(32 13 13 17-0001)</small>	
32 13 13 17-0003	SY 4" 4,500 PSI Concrete Paving Assembly	39.78
	For 2,500 PSI Concrete, Deduct	-2.13
	For 3,000 PSI Concrete, Deduct	-1.39
	For 3,500 PSI Concrete, Deduct	-1.11
	For 4,000 PSI Concrete, Deduct	-0.48
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.41
	For <10' Wide Pass, Add	7.17
	For >24' Wide Pass, Deduct	-7.96
	For Air Entrainment, Add	0.93
	For Accelerator Admixtures, Add	1.11
	For Slipforming, Deduct	-3.98
	For Up To 100, Add	16.46
	For >100 To 250, Add	9.15
	For >250 To 500, Add	4.58
	For >1,000 To 2,000, Deduct	-0.93
	For >2,000 To 5,000, Deduct	-1.92
	For >5,000 To 10,000, Deduct	-2.92
	For >10,000 To 20,000, Deduct	-3.91
	For >20,000, Deduct	-4.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0004 SY 5" 4,500 PSI Concrete Paving Assembly	46.88	
For 2,500 PSI Concrete, Deduct	-2.67	
For 3,000 PSI Concrete, Deduct	-1.74	
For 3,500 PSI Concrete, Deduct	-1.40	
For 4,000 PSI Concrete, Deduct	-0.60	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.02	
For <10' Wide Pass, Add	8.23	
For >24' Wide Pass, Deduct	-9.38	
For Air Entrainment, Add	1.16	
For Accelerator Admixtures, Add	1.40	
For Slipforming, Deduct	-4.69	
For Up To 100, Add	18.82	
For >100 To 250, Add	10.58	
For >250 To 500, Add	5.29	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000 To 5,000, Deduct	-2.34	
For >5,000 To 10,000, Deduct	-3.51	
For >10,000 To 20,000, Deduct	-4.68	
For >20,000, Deduct	-5.85	
32 13 13 17-0005 SY 6" 4,500 PSI Concrete Paving Assembly	50.13	
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,000 PSI Concrete, Deduct	-1.84	
For 3,500 PSI Concrete, Deduct	-1.47	
For 4,000 PSI Concrete, Deduct	-0.64	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.19	
For <10' Wide Pass, Add	8.85	
For >24' Wide Pass, Deduct	-10.03	
For Air Entrainment, Add	1.23	
For Accelerator Admixtures, Add	1.47	
For Slipforming, Deduct	-5.01	
For Up To 100, Add	20.26	
For >100 To 250, Add	11.36	
For >250 To 500, Add	5.68	
For >1,000 To 2,000, Deduct	-1.23	
For >2,000 To 5,000, Deduct	-2.48	
For >5,000 To 10,000, Deduct	-3.73	
For >10,000 To 20,000, Deduct	-4.99	
For >20,000, Deduct	-6.24	
32 13 13 17-0006 SY 7" 4,500 PSI Concrete Paving Assembly	59.28	
For 2,500 PSI Concrete, Deduct	-3.56	
For 3,000 PSI Concrete, Deduct	-2.32	
For 3,500 PSI Concrete, Deduct	-1.86	
For 4,000 PSI Concrete, Deduct	-0.80	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.02	
For <10' Wide Pass, Add	10.18	
For >24' Wide Pass, Deduct	-11.86	
For Air Entrainment, Add	1.55	
For Accelerator Admixtures, Add	1.86	
For Slipforming, Deduct	-5.93	
For Up To 100, Add	23.19	
For >100 To 250, Add	13.14	
For >250 To 500, Add	6.57	
For >1,000 To 2,000, Deduct	-1.55	
For >2,000 To 5,000, Deduct	-3.03	
For >5,000 To 10,000, Deduct	-4.51	
For >10,000 To 20,000, Deduct	-5.99	
For >20,000, Deduct	-7.48	
32 13 13 17-0007 SY 8" 4,500 PSI Concrete Paving Assembly	67.97	
For 2,500 PSI Concrete, Deduct	-3.91	
For 3,000 PSI Concrete, Deduct	-2.55	
For 3,500 PSI Concrete, Deduct	-2.04	
For 4,000 PSI Concrete, Deduct	-0.88	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.41	
For <10' Wide Pass, Add	11.90	
For >24' Wide Pass, Deduct	-13.59	
For Air Entrainment, Add	1.70	
For Accelerator Admixtures, Add	2.04	
For Slipforming, Deduct	-6.80	
For Up To 100, Add	27.20	
For >100 To 250, Add	15.30	
For >250 To 500, Add	7.65	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000 To 5,000, Deduct	-3.40	
For >5,000 To 10,000, Deduct	-5.10	
For >10,000 To 20,000, Deduct	-6.80	
For >20,000, Deduct	-8.50	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 13 Rigid Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 17-0008	SY	9" 4,500 PSI Concrete Paving Assembly	76.79
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.51
		<i>For 3,000 PSI Concrete, Deduct</i>	-2.94
		<i>For 3,500 PSI Concrete, Deduct</i>	-2.35
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.02
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.10
		<i>For <10' Wide Pass, Add</i>	13.31
		<i>For >24' Wide Pass, Deduct</i>	-15.36
		<i>For Air Entrainment, Add</i>	1.96
		<i>For Accelerator Admixtures, Add</i>	2.35
		<i>For Slipforming, Deduct</i>	-7.68
		<i>For Up To 100, Add</i>	30.38
		<i>For >100 To 250, Add</i>	17.15
		<i>For >250 To 500, Add</i>	8.58
		<i>For >1,000 To 2,000, Deduct</i>	-1.96
		<i>For >2,000 To 5,000, Deduct</i>	-3.88
		<i>For >5,000 To 10,000, Deduct</i>	-5.80
		<i>For >10,000 To 20,000, Deduct</i>	-7.72
		<i>For >20,000, Deduct</i>	-9.64
32 13 13 17-0009	SY	10" 4,500 PSI Concrete Paving Assembly	85.69
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.96
		<i>For 3,000 PSI Concrete, Deduct</i>	-3.24
		<i>For 3,500 PSI Concrete, Deduct</i>	-2.59
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.12
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.61
		<i>For <10' Wide Pass, Add</i>	14.95
		<i>For >24' Wide Pass, Deduct</i>	-17.14
		<i>For Air Entrainment, Add</i>	2.16
		<i>For Accelerator Admixtures, Add</i>	2.59
		<i>For Slipforming, Deduct</i>	-8.57
		<i>For Up To 100, Add</i>	34.15
		<i>For >100 To 250, Add</i>	19.23
		<i>For >250 To 500, Add</i>	9.62
		<i>For >1,000 To 2,000, Deduct</i>	-2.16
		<i>For >2,000 To 5,000, Deduct</i>	-4.30
		<i>For >5,000 To 10,000, Deduct</i>	-6.44
		<i>For >10,000 To 20,000, Deduct</i>	-8.59
		<i>For >20,000, Deduct</i>	-10.73
32 13 13 17-0010	SY	12" 4,500 PSI Concrete Paving Assembly	102.14
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.88
		<i>For 3,000 PSI Concrete, Deduct</i>	-3.83
		<i>For 3,500 PSI Concrete, Deduct</i>	-3.07
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.33
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	6.65
		<i>For <10' Wide Pass, Add</i>	17.87
		<i>For >24' Wide Pass, Deduct</i>	-20.43
		<i>For Air Entrainment, Add</i>	2.56
		<i>For Accelerator Admixtures, Add</i>	3.07
		<i>For Slipforming, Deduct</i>	-10.21
		<i>For Up To 100, Add</i>	40.84
		<i>For >100 To 250, Add</i>	22.97
		<i>For >250 To 500, Add</i>	11.49
		<i>For >1,000 To 2,000, Deduct</i>	-2.56
		<i>For >2,000 To 5,000, Deduct</i>	-5.11
		<i>For >5,000 To 10,000, Deduct</i>	-7.66
		<i>For >10,000 To 20,000, Deduct</i>	-10.22
		<i>For >20,000, Deduct</i>	-12.77
32 13 13 17-0011	SY	15" 4,500 PSI Concrete Paving Assembly	130.48
		<i>For 2,500 PSI Concrete, Deduct</i>	-7.22
		<i>For 3,000 PSI Concrete, Deduct</i>	-4.71
		<i>For 3,500 PSI Concrete, Deduct</i>	-3.77
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.63
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.16
		<i>For <10' Wide Pass, Add</i>	23.20
		<i>For >24' Wide Pass, Deduct</i>	-26.10
		<i>For Air Entrainment, Add</i>	3.14
		<i>For Accelerator Admixtures, Add</i>	3.77
		<i>For Slipforming, Deduct</i>	-13.05
		<i>For Up To 100, Add</i>	53.18
		<i>For >100 To 250, Add</i>	29.73
		<i>For >250 To 500, Add</i>	14.86
		<i>For >1,000 To 2,000, Deduct</i>	-3.14
		<i>For >2,000 To 5,000, Deduct</i>	-6.40
		<i>For >5,000 To 10,000, Deduct</i>	-9.66
		<i>For >10,000 To 20,000, Deduct</i>	-12.92
		<i>For >20,000, Deduct</i>	-16.19

32 13 16 Decorative Concrete Paving (32 13)

32 13 16 13 Patterned Concrete Paving (32 13 16)

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Sidewalk	3.44
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32 13 43 Pervious Concrete Paving (32 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 43 00-0001 Pervious Concrete Assembly <small>(32 13 43)</small>		
<small>Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.</small>		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	10.85	
<small>Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.</small>		
<small>For >5,000 To 30,000, Deduct</small>	-1.21	
<small>For >30,000 To 100,000, Deduct</small>	-2.29	
<small>For >100,000, Deduct</small>	-2.84	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	13.40	
<small>Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.</small>		
<small>For >5,000 To 30,000, Deduct</small>	-1.47	
<small>For >30,000 To 100,000, Deduct</small>	-2.72	
<small>For >100,000, Deduct</small>	-3.38	
32 13 73 Concrete Paving Joint Sealants <small>(32 13)</small>		
32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants <small>(32 13 73)</small>		
32 13 73 13-0001 Concrete Pavement Joint And Crack Repair <small>(32 13 73 13)</small>		
<small>Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.</small>		
32 13 73 13-0002 LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.64	
32 13 73 16 Field-Molded Concrete Paving Joint Sealants <small>(32 13 73)</small>		
32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair <small>(32 13 73 16)</small>		
<small>Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.</small>		
32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric	9.85	
32 13 73 19 Compression Concrete Paving Joint Sealants <small>(32 13 73)</small>		
32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement <small>(32 13 73 19)</small>		
<small>Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.</small>		
32 13 73 19-0002 LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.72	1.85
32 13 73 19-0003 LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.01	1.89
32 13 73 19-0004 LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.34	1.93
32 13 73 19-0005 LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.31	1.96
32 13 73 19-0006 LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.47	2.01
32 13 73 19-0007 LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.07	2.05
32 13 73 19-0008 LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.56	2.09
32 14 Unit Paving <small>(32 10)</small>		
32 14 09 Paver Restraints <small>(32 14)</small>		
32 14 09 00-0001 Paver Restraints <small>(32 14 09)</small>		
<small>Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.</small>		
32 14 09 00-0002 LF Up To 2" Height, Vinyl Paver Restraint.....	2.83	0.77
<small>For >1,000 To 2,000, Deduct</small>	-0.35	
<small>For >2,000 To 4,000, Deduct</small>	-0.51	
<small>For >4,000, Deduct</small>	-0.65	
32 14 09 00-0003 LF Up To 2" Height, Galvanized Steel Paver Restraint.....	3.04	0.77
<small>For >500 To 1,000, Deduct</small>	-0.09	
<small>For >1,000 To 2,000, Deduct</small>	-0.18	
<small>For >2,000, Deduct</small>	-0.27	
32 14 09 00-0004 LF Up To 1" Height, Aluminum Paver Restraint.....	2.94	0.77
<small>For >250 To 500, Deduct</small>	-0.17	
<small>For >500 To 1,000, Deduct</small>	-0.26	
<small>For >1,000 To 1,500, Deduct</small>	-0.43	
32 14 09 00-0005 LF >1" To 2" Height, Aluminum Paver Restraint.....	3.41	0.77
<small>For >250 To 500, Deduct</small>	-0.22	
<small>For >500 To 1,000, Deduct</small>	-0.33	
<small>For >1,000 To 1,500, Deduct</small>	-0.54	
32 14 09 00-0006 LF >2" To 3" Height, Aluminum Paver Restraint.....	4.33	0.77
<small>For >250 To 500, Deduct</small>	-0.31	
<small>For >500 To 1,000, Deduct</small>	-0.46	
<small>For >1,000 To 1,500, Deduct</small>	-0.77	
32 14 09 00-0007 LF >3" To 4" Height, Aluminum Paver Restraint	5.03	0.77
<small>For >250 To 500, Deduct</small>	-0.38	
<small>For >500 To 1,000, Deduct</small>	-0.57	
<small>For >1,000 To 1,500, Deduct</small>	-0.95	
32 14 11 Bedding For Unit Paving <small>(32 14)</small>		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk <small>(32 14 11)</small>		
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 14 11 00-0002	SF 1" To 2" Sand Bedding, Screeded	0.80	
	For Up To 100, Add	0.35	
	For >100 To 500, Add	0.10	
	For >1,000 To 5,000, Deduct	-0.06	
	For >5,000, Deduct	-0.10	
32 14 11 00-0003	SF 1" To 2" Stone Dust Bedding, Screeded	0.96	
	For Up To 100, Add	0.39	
	For >100 To 500, Add	0.11	
	For >1,000 To 5,000, Deduct	-0.06	
	For >5,000, Deduct	-0.10	
32 14 11 00-0004	SF 3" Stone Dust Bedding, Screeded	1.25	
	For Up To 100, Add	0.49	
	For >100 To 500, Add	0.13	
	For >1,000 To 5,000, Deduct	-0.07	
	For >5,000, Deduct	-0.12	
32 14 11 00-0005	SF 4" Stone Dust Bedding, Screeded	1.58	
	For Up To 100, Add	0.61	
	For >100 To 500, Add	0.17	
	For >1,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.15	
32 14 11 00-0006	SF 1" Mortar Bedding	2.44	
	For Up To 100, Add	1.10	
	For >100 To 500, Add	0.32	
	For >1,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.31	
32 14 11 00-0007	SF 2" Mortar Bedding	3.55	
	For Up To 100, Add	1.54	
	For >100 To 500, Add	0.44	
	For >1,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.42	
32 14 11 00-0008	SF Thin-Set Latex Portland Cement Mortar	1.22	
	For Up To 100, Add	0.57	
	For >100 To 500, Add	0.17	
	For >1,000 To 5,000, Deduct	-0.10	
	For >5,000, Deduct	-0.16	
32 14 13	Precast Concrete Unit Paving <small>(32 14)</small>		
32 14 13 16	Pressed Precast Concrete Unit Paving <small>(32 14 13)</small>		
32 14 13 16-0001	Precast Concrete Paver Sidewalk <small>(32 14 13 16)</small>		
	Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 13 16-0002	SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.68	2.45
	Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.81	
	For 3-1/8" Concrete Paver, Add	1.31	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.68	
	For Up To 100, Add	3.40	
	For >100 To 500, Add	0.93	
	For >1,000 To 5,000, Deduct	-0.49	
	For >5,000, Deduct	-0.85	
32 14 13 16-0003	SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	8.24	2.24
	Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.79	
	For 3-1/8" Concrete Paver, Add	1.28	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.64	
	For Up To 100, Add	3.18	
	For >100 To 500, Add	0.86	
	For >1,000 To 5,000, Deduct	-0.45	
	For >5,000, Deduct	-0.78	
32 14 13 16-0004	SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	7.83	1.78
	Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.77	
	For 3-1/8" Concrete Paver, Add	1.25	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.59	
	For Up To 100, Add	2.97	
	For >100 To 500, Add	0.80	
	For >1,000 To 5,000, Deduct	-0.41	
	For >5,000, Deduct	-0.72	
32 14 13 16-0005	SF 2-3/8" Thick, >144 SI Precast Concrete Paver	7.46	1.85
	Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.75	
	For 3-1/8" Concrete Paver, Add	1.22	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.56	
	For Up To 100, Add	2.79	
	For >100 To 500, Add	0.74	
	For >1,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns 8.03		2.13
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	0.78	
For 3-1/8" Concrete Paver, Add	1.26	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.61	
For Up To 100, Add	3.07	
For >100 To 500, Add	0.83	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.75	
32 14 13 16-0007 SF 6"x12" Wausau Tile Paver, Uniface (U-3008/ADA-90)..... 8.31		1.78
For 2-3/4" Concrete Paver, Add	0.84	
For 3-1/8" Concrete Paver, Add	1.37	
For Up To 100, Add	3.09	
For >100 To 500, Add	0.82	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-0.74	
32 14 13 16-0008 SET 6"x12" Custom Engraved Wausau Tile Paver, Engraved With "Stand" "Behind" "Line", Per Set (U-3008/ADA90) 196.56		7.10
For 2-3/4" Concrete Paver, Add	27.86	
For 3-1/8" Concrete Paver, Add	46.30	
For Up To 100, Add	53.20	
For >100 To 500, Add	11.45	
For >1,000 To 5,000, Deduct	-1.62	
For >5,000, Deduct	-7.85	
32 14 16 Brick Unit Paving (32 14)		
32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)		
Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002 SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat 9.14		2.45
For 1-3/8" Thick Paver, Deduct	-1.73	
For 2-3/4" Thick Paver (Vehicular), Add	3.85	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.70	
For Up To 100, Add	3.51	
For >100 To 500, Add	0.95	
For >1,000 To 5,000, Deduct	-0.49	
For >5,000, Deduct	-0.86	
32 14 16 00-0003 SF 4" x 8" x 2-1/4" Brick, Laid On Edge 13.11		2.79
For 1-3/8" Thick Paver, Deduct	-2.91	
For 2-3/4" Thick Paver (Vehicular), Add	6.70	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.94	
For Up To 100, Add	4.68	
For >100 To 500, Add	1.21	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-1.06	
32 14 40 Stone Paving (32 14)		
32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002 SF 1" Thick, Up to 54 SI Slate Paver 15.04		2.03
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.96	
For 1/4" Thick Paver, Deduct	-8.04	
For 1/2" Thick Paver, Deduct	-5.66	
For Up To 100, Add	4.78	
For >100 To 500, Add	1.16	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-0.94	
32 14 40 00-0003 SF 1" Thick, >54 to 108 SI Slate Paver 14.67		1.85
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.92	
For 1/4" Thick Paver, Deduct	-7.95	
For 1/2" Thick Paver, Deduct	-5.60	
For Up To 100, Add	4.59	
For >100 To 500, Add	1.10	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.88	
32 14 40 00-0004 SF 1" Thick, >108 to 216 SI Slate Paver 14.03		1.53
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
For 1/4" Thick Paver, Deduct	-7.79	
For 1/2" Thick Paver, Deduct	-5.51	
For Up To 100, Add	4.27	
For >100 To 500, Add	1.01	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.79	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0005 SF 1" Thick, >216 Sl Slate Paver	13.75	1.39
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
For 1/4" Thick Paver, Deduct	-7.72	
For 1/2" Thick Paver, Deduct	-5.47	
For Up To 100, Add	4.13	
For >100 To 500, Add	0.96	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.74	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns	14.32	1.67
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
For 1/4" Thick Paver, Deduct	-7.86	
For 1/2" Thick Paver, Deduct	-5.55	
For Up To 100, Add	4.42	
For >100 To 500, Add	1.05	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.83	
32 14 40 00-0007 Granite Paver Sidewalk <small>(32 14 40)</small>		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008 SF 1" Thick, Up to 54 Sl Granite Paver	17.37	2.03
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.07	
For 2" Granite Paver, Add	0.87	
For 3" Granite Paver, Add	1.74	
For 4" Granite Paver, Add	1.94	
For Up To 100, Add	5.36	
For >100 To 500, Add	1.27	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-1.01	
32 14 40 00-0009 SF 1" Thick, >54 to 108 Sl Granite Paver	17.00	1.85
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.03	
For 2" Granite Paver, Add	0.85	
For 3" Granite Paver, Add	1.70	
For 4" Granite Paver, Add	1.88	
For Up To 100, Add	5.17	
For >100 To 500, Add	1.22	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.95	
32 14 40 00-0010 SF 1" Thick, >108 to 216 Sl Granite Paver	16.36	1.53
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.97	
For 2" Granite Paver, Add	0.82	
For 3" Granite Paver, Add	1.64	
For 4" Granite Paver, Add	1.79	
For Up To 100, Add	4.85	
For >100 To 500, Add	1.12	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.86	
32 14 40 00-0011 SF 1" Thick, >216 Sl Granite Paver	16.08	1.39
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.94	
For 2" Granite Paver, Add	0.80	
For 3" Granite Paver, Add	1.61	
For 4" Granite Paver, Add	1.75	
For Up To 100, Add	4.71	
For >100 To 500, Add	1.08	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.81	
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns	16.65	1.67
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
For 2" Granite Paver, Add	0.83	
For 3" Granite Paver, Add	1.67	
For 4" Granite Paver, Add	1.83	
For Up To 100, Add	5.00	
For >100 To 500, Add	1.17	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.90	
32 14 40 00-0013 Cobble Stone <small>(32 14 40)</small>		
Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014 SF 4" to 8" diameter cobble stones, various colors, Up To 500 SF	20.07	
Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		
32 14 40 00-0015 SF 4" to 8" diameter cobble stones, various colors, > 500 SF	15.70	
Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		

32 14 43 Porous Unit Paving (32 14)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 43 00-0001 Turf Block <small>(32 14 43)</small> Note: Grass grid, open-cell unit paver, geoblock.		
32 14 43 00-0002 SF 3-1/8" Thick, Precast Concrete Turf Block	7.48	2.13
For Up To 100, Add	2.94	
For >100 To 500, Add	0.80	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.74	
32 14 43 00-0003 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	10.64	2.13
For Up To 100, Add	3.73	
For >100 To 500, Add	0.96	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.83	
32 15 Aggregate Surfacing <small>(32 10)</small>		
32 15 40 Crushed Stone Surfacing <small>(32 15)</small> Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 15 40 00-0001 Gravel Surfacing And Spreading <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading	60.36	
32 15 40 00-0003 Limestone Screenings <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail	37.76	
32 16 Curbs, Gutters, Sidewalks, And Driveways <small>(32 10)</small>		
32 16 13 Curbs And Gutters <small>(32 16)</small> Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0040 for additional saw cuts within the 100'.		
32 16 13 13 Cast-In-Place Concrete Curbs And Gutters <small>(32 16 13)</small> Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001 Concrete Curb, Cast In Place <small>(32 16 13 13)</small> Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002 LF "B3" Cast In Place Concrete Curb	8.11	7.26
32 16 13 13-0003 LF "B3" Cast In Place Concrete Curb - Radius	9.22	8.36
32 16 13 13-0004 LF "B1" Cast In Place Concrete Curb	18.43	7.26
32 16 13 13-0005 LF "B1" Cast In Place Concrete Curb - Radius	21.10	8.00
32 16 13 13-0006 LF "A1-150" Cast In Place Concrete Curb	17.99	7.26
32 16 13 13-0007 LF "A1-150" Cast In Place Concrete Curb - Radius	20.59	8.00
32 16 13 13-0008 LF "A1-200" Cast In Place Concrete Curb	18.63	7.26
32 16 13 13-0009 LF "A1-200" Cast In Place Concrete Curb - Radius	21.31	8.00
32 16 13 13-0010 LF 6" X 12" Cast In Place Concrete Curb	14.04	7.26
For Up To 20, Add	8.62	
For >20 To 50, Add	4.89	
For >50 To 100, Add	1.87	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-3.15	
32 16 13 13-0011 LF 6" X 12" Cast In Place Concrete Curb - Radius	16.09	8.36
For Up To 20, Add	9.94	
For >20 To 50, Add	5.64	
For >50 To 100, Add	2.15	
For >500 To 1,000, Deduct	-2.15	
For >1,000, Deduct	-3.63	
32 16 13 13-0012 LF 6" X 14" Cast In Place Concrete Curb	15.44	7.26
For Up To 20, Add	9.44	
For >20 To 50, Add	5.36	
For >50 To 100, Add	2.04	
For >500 To 1,000, Deduct	-2.04	
For >1,000, Deduct	-3.45	
32 16 13 13-0013 LF 6" X 14" Cast In Place Concrete Curb - Radius	17.71	8.36
For Up To 20, Add	10.90	
For >20 To 50, Add	6.18	
For >50 To 100, Add	2.36	
For >500 To 1,000, Deduct	-2.36	
For >1,000, Deduct	-3.98	
32 16 13 13-0014 LF 6" X 16" Cast In Place Concrete Curb	16.99	7.26
For Up To 20, Add	10.30	
For >20 To 50, Add	5.84	
For >50 To 100, Add	2.23	
For >500 To 1,000, Deduct	-2.23	
For >1,000, Deduct	-3.77	
32 16 13 13-0015 LF 6" X 16" Cast In Place Concrete Curb - Radius	19.45	10.89
For Up To 20, Add	11.88	
For >20 To 50, Add	6.74	
For >50 To 100, Add	2.57	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-4.34	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0016 LF 6" X 18" Cast In Place Concrete Curb	18.24	7.26
For Up To 20, Add	10.99	
For >20 To 50, Add	6.23	
For >50 To 100, Add	2.38	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-4.03	
32 16 13 13-0017 LF 6" X 18" Cast In Place Concrete Curb - Radius	20.62	8.36
For Up To 20, Add	12.47	
For >20 To 50, Add	7.07	
For >50 To 100, Add	2.70	
For >500 To 1,000, Deduct	-2.70	
For >1,000, Deduct	-4.57	
32 16 13 13-0018 LF 6" X 24" Cast In Place Concrete Curb	20.93	8.00
For Up To 20, Add	12.26	
For >20 To 50, Add	6.94	
For >50 To 100, Add	2.66	
For >500 To 1,000, Deduct	-2.66	
For >1,000, Deduct	-4.52	
32 16 13 13-0019 LF 6" X 24" Cast In Place Concrete Curb - Radius	23.42	9.08
For Up To 20, Add	13.76	
For >20 To 50, Add	7.79	
For >50 To 100, Add	2.99	
For >500 To 1,000, Deduct	-2.99	
For >1,000, Deduct	-5.07	
32 16 13 13-0020 LF 12" X 24" Cast In Place Concrete Curb	27.41	9.08
For Up To 20, Add	14.56	
For >20 To 50, Add	8.19	
For >50 To 100, Add	3.19	
For >500 To 1,000, Deduct	-3.19	
For >1,000, Deduct	-5.47	
32 16 13 13-0021 LF 12" X 24" Cast In Place Concrete Curb - Radius	30.51	10.17
For Up To 20, Add	16.27	
For >20 To 50, Add	9.15	
For >50 To 100, Add	3.56	
For >500 To 1,000, Deduct	-3.56	
For >1,000, Deduct	-6.10	
32 16 13 13-0022 EA Additional Finish For Handicap Drop Section In Curb.....	54.48	
32 16 13 13-0023 Curb And Gutter Combined, Cast In Place <small>(32 16 13 13)</small>		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0024 LF "A2-6 Modified" Concrete Curb And Gutter - Straight.....	20.07	8.63
For Up To 20, Add	13.55	
For >20 To 50, Add	7.53	
For >50 To 100, Add	3.01	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-4.27	
For Rolled Curb And Gutter	1.24	
For Integral Colors, Add	0.12	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0025 LF "A2-6 Modified" Concrete Curb And Gutter - Radius	22.22	8.63
For Up To 20, Add	14.99	
For >20 To 50, Add	8.32	
For >50 To 100, Add	3.33	
For >500 To 1,000, Deduct	-2.77	
For >1,000, Deduct	-4.70	
For Rolled Curb And Gutter	1.34	
For Integral Colors, Add	0.14	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0026 LF "A2-6" Concrete Curb And Gutter - Straight.....	26.72	11.50
For Up To 20, Add	18.33	
For >20 To 50, Add	10.32	
For >50 To 100, Add	4.01	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-6.13	
For Rolled Curb And Gutter	2.10	
For Integral Colors, Add	0.09	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0027 LF "A2-6" Concrete Curb And Gutter - Radius.....	34.29	12.94
For Up To 20, Add	23.16	
For >20 To 50, Add	12.88	
For >50 To 100, Add	5.14	
For >500 To 1,000, Deduct	-4.30	
For >1,000, Deduct	-7.31	
For Rolled Curb And Gutter	2.13	
For Integral Colors, Add	0.20	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0028 LF "B-2" Concrete Curb And Gutter - Straight.....	32.83	12.59
For Up To 20, Add	22.22	
For >20 To 50, Add	12.37	
For >50 To 100, Add	4.92	
For >500 To 1,000, Deduct	-4.16	
For >1,000, Deduct	-7.06	
For Rolled Curb And Gutter	2.10	
For Integral Colors, Add	0.18	
Note: Modifier quantity = task quantity x LB/CY color added.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0029 LF "B-2" Concrete Curb And Gutter - Radius.....	34.00	12.59
For Up To 20, Add	22.92	
For >20 To 50, Add	12.72	
For >50 To 100, Add	5.10	
For >500 To 1,000, Deduct	-4.22	
For >1,000, Deduct	-7.18	
For Rolled Curb And Gutter	2.03	
For Integral Colors, Add	0.21	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0030 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Straight.....	19.00	8.63
For Up To 20, Add	12.91	
For >20 To 50, Add	7.21	
For >50 To 100, Add	2.85	
For >500 To 1,000, Deduct	-2.46	
For >1,000, Deduct	-4.17	
For Rolled Curb And Gutter	1.30	
For Integral Colors, Add	0.09	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0031 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Radius.....	20.73	11.50
For Up To 20, Add	14.09	
For >20 To 50, Add	7.87	
For >50 To 100, Add	3.11	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-4.56	
For Rolled Curb And Gutter	1.43	
For Integral Colors, Add	0.10	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0032 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Straight.....	24.18	9.56
For Up To 20, Add	16.41	
For >20 To 50, Add	9.16	
For >50 To 100, Add	3.63	
For >500 To 1,000, Deduct	-3.12	
For >1,000, Deduct	-5.28	
For Rolled Curb And Gutter	1.62	
For Integral Colors, Add	0.12	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0033 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Radius.....	26.73	10.65
For Up To 20, Add	18.16	
For >20 To 50, Add	10.14	
For >50 To 100, Add	4.01	
For >500 To 1,000, Deduct	-3.46	
For >1,000, Deduct	-5.86	
For Rolled Curb And Gutter	1.82	
For Integral Colors, Add	0.13	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0034 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Straight.....	29.36	11.50
For Up To 20, Add	19.92	
For >20 To 50, Add	11.11	
For >50 To 100, Add	4.40	
For >500 To 1,000, Deduct	-3.77	
For >1,000, Deduct	-6.39	
For Rolled Curb And Gutter	1.95	
For Integral Colors, Add	0.15	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0035 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius.....	32.73	12.94
For Up To 20, Add	22.23	
For >20 To 50, Add	12.41	
For >50 To 100, Add	4.91	
For >500 To 1,000, Deduct	-4.23	
For >1,000, Deduct	-7.16	
For Rolled Curb And Gutter	2.21	
For Integral Colors, Add	0.16	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0036 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Straight.....	34.91	13.66
For Up To 20, Add	23.68	
For >20 To 50, Add	13.21	
For >50 To 100, Add	5.24	
For >500 To 1,000, Deduct	-4.48	
For >1,000, Deduct	-7.59	
For Rolled Curb And Gutter	2.32	
For Integral Colors, Add	0.18	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0037 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Radius.....	38.38	15.11
For Up To 20, Add	26.05	
For >20 To 50, Add	14.54	
For >50 To 100, Add	5.76	
For >500 To 1,000, Deduct	-4.94	
For >1,000, Deduct	-8.37	
For Rolled Curb And Gutter	2.57	
For Integral Colors, Add	0.20	
Note: Modifier quantity = task quantity x LB/CY color added.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0038 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Straight	40.46	15.83
For Up To 20, Add	27.44	
For >20 To 50, Add	15.30	
For >50 To 100, Add	6.07	
For >500 To 1,000, Deduct	-5.19	
For >1,000, Deduct	-8.79	
For Rolled Curb And Gutter	2.68	
For Integral Colors, Add	0.21	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0039 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Radius	44.02	17.27
For Up To 20, Add	29.86	
For >20 To 50, Add	16.66	
For >50 To 100, Add	6.60	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-9.58	
For Rolled Curb And Gutter	2.93	
For Integral Colors, Add	0.23	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0040 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Straight	46.00	17.99
For Up To 20, Add	31.20	
For >20 To 50, Add	17.40	
For >50 To 100, Add	6.90	
For >500 To 1,000, Deduct	-5.90	
For >1,000, Deduct	-9.99	
For Rolled Curb And Gutter	3.04	
For Integral Colors, Add	0.24	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0041 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius	51.10	20.14
For Up To 20, Add	34.69	
For >20 To 50, Add	19.36	
For >50 To 100, Add	7.67	
For >500 To 1,000, Deduct	-6.58	
For >1,000, Deduct	-11.15	
For Rolled Curb And Gutter	3.43	
For Integral Colors, Add	0.26	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002 JOB Machine Formed Curb Minimum Set-Up Charge	1,054.09	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Curb, Machine Formed	9.22	
32 16 13 14-0004 LF 6" x 12" Curved Curb, Machine Formed	12.49	
32 16 13 14-0005 LF 6" x 18" Straight Curb, Machine Formed	12.20	
32 16 13 14-0006 LF 6" x 18" Curved Curb, Machine Formed	16.02	
32 16 13 16 Steel Faced Curbs (32 16 13)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.58	3.97
For Curved Section, Add	2.84	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	14.92	4.50
For Curved Section, Add	3.18	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.36	5.04
For Curved Section, Add	3.94	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.14	5.68
For Curved Section, Add	4.63	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	30.92	6.21
For Curved Section, Add	5.42	
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	40.50	7.93
For Curved Section, Add	7.01	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	46.40	10.28
For Curved Section, Add	8.48	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	147.87	
32 16 13 16-0010 EA Pedestrian/Handicap Ramp, Complete	83.08	
32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)		
32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick	19.77	
For Up To 20, Add	9.95	
For >20 To 50, Add	5.57	
For >50 To 100, Add	2.19	
For >500 To 1,000, Deduct	-2.19	
For >1,000, Deduct	-3.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick	24.18	
<i>For Up To 20, Add</i>	12.06	
<i>For >20 To 50, Add</i>	6.75	
<i>For >50 To 100, Add</i>	2.65	
<i>For >500 To 1,000, Deduct</i>	-2.65	
<i>For >1,000, Deduct</i>	-4.59	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick	28.50	
<i>For Up To 20, Add</i>	14.12	
<i>For >20 To 50, Add</i>	7.90	
<i>For >50 To 100, Add</i>	3.11	
<i>For >500 To 1,000, Deduct</i>	-3.11	
<i>For >1,000, Deduct</i>	-5.37	
32 16 13 19-0005 LF 3-1/2' Wide Valley Gutter, 6" Thick	32.83	
<i>For Up To 20, Add</i>	16.17	
<i>For >20 To 50, Add</i>	9.05	
<i>For >50 To 100, Add</i>	3.56	
<i>For >500 To 1,000, Deduct</i>	-3.56	
<i>For >1,000, Deduct</i>	-6.16	
32 16 13 19-0006 LF 4' Wide Valley Gutter, 6" Thick	37.17	
<i>For Up To 20, Add</i>	18.23	
<i>For >20 To 50, Add</i>	10.20	
<i>For >50 To 100, Add</i>	4.02	
<i>For >500 To 1,000, Deduct</i>	-4.02	
<i>For >1,000, Deduct</i>	-6.96	
32 16 13 19-0007 LF 5' Wide Valley Gutter, 6" Thick	43.76	
<i>For Up To 20, Add</i>	20.90	
<i>For >20 To 50, Add</i>	11.67	
<i>For >50 To 100, Add</i>	4.62	
<i>For >500 To 1,000, Deduct</i>	-4.62	
<i>For >1,000, Deduct</i>	-8.02	
32 16 13 19-0008 LF 6' Wide Valley Gutter, 6" Thick	50.02	
<i>For Up To 20, Add</i>	23.34	
<i>For >20 To 50, Add</i>	13.00	
<i>For >50 To 100, Add</i>	5.17	
<i>For >500 To 1,000, Deduct</i>	-5.17	
<i>For >1,000, Deduct</i>	-9.00	
32 16 13 19-0009 SF >6' Wide Valley Gutter, 6" Thick	8.33	
<i>For Up To 100, Add</i>	3.89	
<i>For >100 To 250, Add</i>	2.17	
<i>For >250 To 500, Add</i>	0.86	
<i>For >500 To 1,000, Deduct</i>	-0.86	
<i>For >1,000, Deduct</i>	-1.50	
32 16 13 19-0010 LF 2' Wide Valley Gutter, 7" Thick	21.60	
<i>For Up To 20, Add</i>	10.64	
<i>For >20 To 50, Add</i>	5.95	
<i>For >50 To 100, Add</i>	2.34	
<i>For >500 To 1,000, Deduct</i>	-2.34	
<i>For >1,000, Deduct</i>	-4.06	
32 16 13 19-0011 LF 2-1/2' Wide Valley Gutter, 7" Thick	26.62	
<i>For Up To 20, Add</i>	13.04	
<i>For >20 To 50, Add</i>	7.29	
<i>For >50 To 100, Add</i>	2.87	
<i>For >500 To 1,000, Deduct</i>	-2.87	
<i>For >1,000, Deduct</i>	-4.98	
32 16 13 19-0012 LF 3' Wide Valley Gutter, 7" Thick	31.19	
<i>For Up To 20, Add</i>	15.12	
<i>For >20 To 50, Add</i>	8.45	
<i>For >50 To 100, Add</i>	3.34	
<i>For >500 To 1,000, Deduct</i>	-3.34	
<i>For >1,000, Deduct</i>	-5.78	
32 16 13 19-0013 LF 3-1/2' Wide Valley Gutter, 7" Thick	35.95	
<i>For Up To 20, Add</i>	17.33	
<i>For >20 To 50, Add</i>	9.68	
<i>For >50 To 100, Add</i>	3.83	
<i>For >500 To 1,000, Deduct</i>	-3.83	
<i>For >1,000, Deduct</i>	-6.64	
32 16 13 19-0014 LF 4' Wide Valley Gutter, 7" Thick	40.70	
<i>For Up To 20, Add</i>	19.54	
<i>For >20 To 50, Add</i>	10.91	
<i>For >50 To 100, Add</i>	4.31	
<i>For >500 To 1,000, Deduct</i>	-4.31	
<i>For >1,000, Deduct</i>	-7.49	
32 16 13 19-0015 LF 5' Wide Valley Gutter, 7" Thick	48.03	
<i>For Up To 20, Add</i>	22.43	
<i>For >20 To 50, Add</i>	12.50	
<i>For >50 To 100, Add</i>	4.97	
<i>For >500 To 1,000, Deduct</i>	-4.97	
<i>For >1,000, Deduct</i>	-8.65	
32 16 13 19-0016 LF 6' Wide Valley Gutter, 7" Thick	55.03	
<i>For Up To 20, Add</i>	25.09	
<i>For >20 To 50, Add</i>	13.95	
<i>For >50 To 100, Add</i>	5.57	
<i>For >500 To 1,000, Deduct</i>	-5.57	
<i>For >1,000, Deduct</i>	-9.73	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 16	Curbs, Gutters, Sidewalks, And Driveways



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0017 SF >6' Wide Valley Gutter, 7" Thick	9.17	
For Up To 100, Add	4.18	
For >100 To 250, Add	2.32	
For >250 To 500, Add	0.93	
For >2,500 To 5,000, Deduct	-0.93	
For >5,000, Deduct	-1.62	
32 16 13 19-0018 LF 2' Wide Valley Gutter, 8" Thick.....	21.91	
For Up To 20, Add	11.04	
For >20 To 50, Add	6.18	
For >50 To 100, Add	2.43	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-4.19	
32 16 13 19-0019 LF 2-1/2' Wide Valley Gutter, 8" Thick	26.80	
For Up To 20, Add	13.39	
For >20 To 50, Add	7.50	
For >50 To 100, Add	2.95	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-5.09	
32 16 13 19-0020 LF 3' Wide Valley Gutter, 8" Thick.....	31.59	
For Up To 20, Add	15.66	
For >20 To 50, Add	8.77	
For >50 To 100, Add	3.45	
For >500 To 1,000, Deduct	-3.45	
For >1,000, Deduct	-5.96	
32 16 13 19-0021 LF 3-1/2' Wide Valley Gutter, 8" Thick	36.39	
For Up To 20, Add	17.95	
For >20 To 50, Add	10.04	
For >50 To 100, Add	3.95	
For >500 To 1,000, Deduct	-3.95	
For >1,000, Deduct	-6.84	
32 16 13 19-0022 LF 4' Wide Valley Gutter, 8" Thick.....	41.19	
For Up To 20, Add	20.23	
For >20 To 50, Add	11.32	
For >50 To 100, Add	4.46	
For >500 To 1,000, Deduct	-4.46	
For >1,000, Deduct	-7.72	
32 16 13 19-0023 LF 5' Wide Valley Gutter, 8" Thick.....	48.49	
32 16 13 19-0024 LF 6' Wide Valley Gutter, 8" Thick.....	55.44	
32 16 13 19-0025 SF >6' Wide Valley Gutter, 8" Thick	9.24	
For Up To 100, Add	4.32	
For >100 To 250, Add	2.41	
For >250 To 500, Add	0.96	
For >2,500 To 5,000, Deduct	-0.96	
For >5,000, Deduct	-1.67	

32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)

32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002 LF 6" X 18" Precast Concrete Curb.....	31.47	7.45
32 16 13 23-0003 LF 6" X 18" Precast Concrete Curb, Radius	37.55	8.58

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	9.94	4.05
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.18	4.50
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.34	4.96

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Remove And Reset Stone Or Precast Curbing	26.19	
Note: Includes storage and cleaning.		

32 16 23 Sidewalks (32 16)

32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 21 11 00-0001 for reinforcing bar (when wire mesh is deducted), 03 21 11 00-0011 for additional reinforcing bar, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0097 for buggies, 03 31 13 00-0104 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk	6.71	
For Up To 100, Add	2.88	
For >100 To 500, Add	0.82	
For >1,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-1.06	
For Welded Wire Reinforcement, Add	0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk	7.30	
For Up To 100, Add	3.08	
For >100 To 500, Add	0.87	
For >1,000 To 5,000, Deduct	-0.50	
For >5,000, Deduct	-1.12	
For Welded Wire Reinforcement, Add	0.54	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	7.90	
For Up To 100, Add	3.27	
For >100 To 500, Add	0.91	
For >1,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-1.17	
For Welded Wire Reinforcement, Add	0.55	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	9.19	
For Up To 100, Add	3.77	
For >100 To 500, Add	1.05	
For >1,000 To 5,000, Deduct	-0.59	
For >5,000, Deduct	-1.34	
For Welded Wire Reinforcement, Add	0.60	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	9.70	
For Up To 100, Add	3.92	
For >100 To 500, Add	1.08	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-1.38	
For Welded Wire Reinforcement, Add	0.61	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk.....	1.72	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk.....	103.19	
Note: Excludes patterned (tactile) finish.		

32 16 23 00-0009

Bituminous Sidewalk (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0010 SY 1" Bituminous Sidewalk	7.19	
For Up To 100, Add	2.67	
For >100 To 500, Add	0.71	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.71	
32 16 23 00-0011 SY 1-1/2" Bituminous Sidewalk	9.04	
For Up To 100, Add	3.31	
For >100 To 500, Add	0.87	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.87	
32 16 23 00-0012 SY 2" Bituminous Sidewalk	12.58	
For Up To 100, Add	4.44	
For >100 To 500, Add	1.15	
For >1,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-1.15	
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk	15.74	
For Up To 100, Add	5.54	
For >100 To 500, Add	1.43	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.43	
32 16 23 00-0014 SY 3" Bituminous Sidewalk	18.14	
For Up To 100, Add	6.28	
For >100 To 500, Add	1.60	
For >1,000 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-1.60	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk	20.98	
For Up To 100, Add	7.16	
For >100 To 500, Add	1.82	
For >1,000 To 5,000, Deduct	-0.77	
For >5,000, Deduct	-1.82	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001 EA 4" x 6" x 4' Wheel Stop, Recycled Plastic.....	56.60	5.53
32 17 13 16-0002 EA 4" x 6" x 6' Wheel Stop, Recycled Plastic.....	63.16	5.53

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001 LF 12" x 6" Precast Concrete Barrier With Dowels	53.49	1.34
32 17 13 19-0002 EA 6" x 8" x 4' Precast Concrete Wheel Stop.....	42.01	16.65
32 17 13 19-0003 EA 6" x 6" x 6' Precast Concrete Wheel Stop.....	48.72	16.65
32 17 13 19-0004 EA 6" x 8" x 6' Precast Concrete Wheel Stop.....	49.74	16.65
32 17 13 19-0005 EA 6" x 10" x 6' Precast Concrete Wheel Stop.....	51.84	16.65
32 17 13 19-0006 EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop.....	48.72	16.65
32 17 13 19-0007 EA 8" x 13" x 6' Precast Concrete Wheel Stop.....	60.31	16.65
32 17 13 19-0008 EA 7.625" x 7.625" x 6' Precast Concrete Wheel Stop.....	67.19	16.65
32 17 13 19-0009 EA 7.625" x 7.625" x 8' Precast Concrete Wheel Stop.....	96.22	16.65

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 19-0010 EA 8" x 12" x 8' Precast Concrete Wheel Stop	85.92	17.97
32 17 13 23 Rubber Parking Bumpers (32 17 13)		
32 17 13 23-0001 EA 3' Rubber Bumper Wheel Stop	26.17	5.53
32 17 13 23-0002 EA 4' Rubber Bumper Wheel Stop	30.85	5.53
32 17 13 23-0003 EA 5' Rubber Bumper Wheel Stop	32.72	5.53
32 17 13 23-0004 EA 6' Rubber Bumper Wheel Stop	35.53	5.53
32 17 13 26 Wood Parking Bumpers (32 17 13)		
32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	8.14	1.34
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	10.89	1.34
32 17 13 33 Remove And Relocate Stops (32 17 13)		
32 17 13 33-0001 EA Remove And Relocate Precast Concrete Wheel Stop	26.63	
32 17 13 33-0002 EA Remove And Relocate Plastic Or Wood Wheel Stop	17.31	
32 17 13 33-0003 EA Reset 4' Bumper	23.42	
32 17 13 33-0004 EA Reset 6' Bumper	32.25	
32 17 16 Speed Bumps (32 17)		
32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)		
Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table	37.23	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table	32.53	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table	30.44	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table	35.61	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table	31.24	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table	29.39	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table	33.96	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table	30.24	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table	28.52	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011 Asphalt Speed Table (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown	27.34	
Note: Tapered on edges to roadway.		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown	32.28	
Note: Tapered on edges to roadway.		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown	34.37	
Note: Tapered on edges to roadway.		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown	40.60	
Note: Tapered on edges to roadway.		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown	41.96	
Note: Tapered on edges to roadway.		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown	46.90	
Note: Tapered on edges to roadway.		
32 17 16 00-0018 Speed Bumps (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	27.98	1.35
Note: Excludes striping.		
32 17 16 00-0020 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	25.99	0.90
32 17 16 00-0021 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	35.82	0.90

32 17 23 Pavement Markings (32 17)



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Paving Specialties	32 17

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 09 Minimum Charge For Pavement Striping <small>(32 17 23)</small>		
Note: For projects where the total pavement striping charge is less than the minimum charge, use item exclusively. Item should not be used in conjunction with any other items in this section.		
32 17 23 09-0001 EA Pavement Striping Minimum Charge	274.89	
32 17 23 13 Painted Pavement Markings <small>(32 17 23)</small>		
32 17 23 13-0001 Striping, Letters, Symbols And Markers for Roads And Airports <small>(32 17 23 13)</small>		
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002 Epoxy Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.38	
For 20 Mil Thickness, Add	0.11	
For Up To 1 Mile, Add	0.08	
For >5 Miles, Deduct	-0.06	
For Broken Line, Deduct	-0.16	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.53	
For 20 Mil Thickness, Add	0.16	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	
For Broken Line, Deduct	-0.24	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.65	
For 20 Mil Thickness, Add	0.19	
For Up To 1 Mile, Add	0.13	
For >5 Miles, Deduct	-0.10	
For Broken Line, Deduct	-0.29	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	0.96	
For 20 Mil Thickness, Add	0.29	
For Up To 1 Mile, Add	0.19	
For >5 Miles, Deduct	-0.14	
For Broken Line, Deduct	-0.47	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.58	
For 20 Mil Thickness, Add	0.18	
For Up To 1 Mile, Add	0.12	
For >5 Miles, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.15	
For Double Broken Line, Deduct	-0.31	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.83	
For 20 Mil Thickness, Add	0.26	
For Up To 1 Mile, Add	0.17	
For >5 Miles, Deduct	-0.12	
For Broken Line On One Side, Deduct	-0.23	
For Double Broken Line, Deduct	-0.47	
32 17 23 13-0009 SF >12" Wide, Epoxy Reflective Pavement Striping	1.08	
For 20 Mil Thickness, Add	0.32	
32 17 23 13-0010 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.26	
For 20 Mil Thickness, Add	0.31	
For <10, Add	0.42	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.28	
For >200, Deduct	-0.56	
32 17 23 13-0011 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking	5.87	
For 20 Mil Thickness, Add	0.77	
For <10, Add	0.64	
For >50 To 100, Deduct	-0.32	
For >100 To 200, Deduct	-0.43	
For >200, Deduct	-0.85	
32 17 23 13-0012 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking	9.89	
For 20 Mil Thickness, Add	1.33	
For <10, Add	1.06	
For >50 To 100, Deduct	-0.53	
For >100 To 200, Deduct	-0.71	
For >200, Deduct	-1.42	
32 17 23 13-0013 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking	19.11	
For 20 Mil Thickness, Add	2.44	
For <10, Add	2.12	
For >50 To 100, Deduct	-1.06	
For >100 To 200, Deduct	-1.42	
For >200, Deduct	-2.83	
32 17 23 13-0014 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking	22.30	
For 20 Mil Thickness, Add	3.03	
For <10, Add	2.38	
For >50 To 100, Deduct	-1.19	
For >100 To 200, Deduct	-1.59	
For >200, Deduct	-3.17	
32 17 23 13-0015 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking	39.99	
For 20 Mil Thickness, Add	5.49	
For <10, Add	4.24	
For >50 To 100, Deduct	-2.12	
For >100 To 200, Deduct	-2.82	
For >200, Deduct	-5.65	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0016 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	53.39	
For 20 Mil Thickness, Add	7.26	
For <10, Add	5.69	
For >50 To 100, Deduct	-2.84	
For >100 To 200, Deduct	-3.79	
For >200, Deduct	-7.58	
32 17 23 13-0017 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	81.51	
For 20 Mil Thickness, Add	14.12	
For <10, Add	7.05	
For >50 To 100, Deduct	-3.52	
For >100 To 200, Deduct	-4.70	
For >200, Deduct	-9.40	
32 17 23 13-0018 SF Letter/Number, Epoxy Reflective Pavement Marking.....	5.37	
For 20 Mil Thickness, Add	0.61	
32 17 23 13-0019 SF Symbols, Epoxy Reflective Pavement Marking.....	6.81	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020 Alkyd/Solvent Based/Latex Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0021 LF Single 4" Wide Solid Line, Alkyd Reflective Pavement Striping.....	0.22	
Note: Includes solvent based and latex paints.		
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
For Broken Line, Deduct	-0.04	
32 17 23 13-0022 LF Single 6" Wide Solid Line, Alkyd Reflective Pavement Striping.....	0.28	
Note: Includes solvent based and latex paints.		
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.04	
For Broken Line, Deduct	-0.05	
32 17 23 13-0023 LF Single 8" Wide Solid Line, Alkyd Reflective Pavement Striping.....	0.36	
Note: Includes solvent based and latex paints.		
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
For Broken Line, Deduct	-0.07	
32 17 23 13-0024 LF Single 12" Wide Solid Line, Alkyd Reflective Pavement Striping.....	0.48	
Note: Includes solvent based and latex paints.		
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.07	
For Broken Line, Deduct	-0.11	
32 17 23 13-0025 LF Double 4" Wide Solid Lines, Alkyd Reflective Pavement Striping.....	0.26	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.07	
32 17 23 13-0026 LF Double 6" Wide Solid Lines, Alkyd Reflective Pavement Striping.....	0.35	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0027 SF >12" Wide, Alkyd Reflective Pavement Striping.....	0.60	
Note: Includes solvent based and latex paints. For areas > 12" wide.		
32 17 23 13-0028 EA 6" (15 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	3.07	
Note: Includes solvent based and latex paints.		
For <10, Add	0.42	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.28	
For >200, Deduct	-0.56	
32 17 23 13-0029 EA 12" (31 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	5.17	
Note: Includes solvent based and latex paints.		
For <10, Add	0.64	
For >50 To 100, Deduct	-0.32	
For >100 To 200, Deduct	-0.43	
For >200, Deduct	-0.85	
32 17 23 13-0030 EA 24" (61 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	8.67	
Note: Includes solvent based and latex paints.		
For <10, Add	1.06	
For >50 To 100, Deduct	-0.53	
For >100 To 200, Deduct	-0.71	
For >200, Deduct	-1.42	
32 17 23 13-0031 EA 36" (91 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	16.96	
Note: Includes solvent based and latex paints.		
For <10, Add	2.12	
For >50 To 100, Deduct	-1.06	
For >100 To 200, Deduct	-1.42	
For >200, Deduct	-2.83	
32 17 23 13-0032 EA 48" (122 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	19.51	
Note: Includes solvent based and latex paints.		
For <10, Add	2.38	
For >50 To 100, Deduct	-1.19	
For >100 To 200, Deduct	-1.59	
For >200, Deduct	-3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0033 EA 72" (183 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	34.89	
Note: Includes solvent based and latex paints.		
For <10, Add	4.24	
For >50 To 100, Deduct	-2.12	
For >100 To 200, Deduct	-2.82	
For >200, Deduct	-5.65	
32 17 23 13-0034 EA 96" (244 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	46.67	
Note: Includes solvent based and latex paints.		
For <10, Add	5.69	
For >50 To 100, Deduct	-2.84	
For >100 To 200, Deduct	-3.79	
For >200, Deduct	-7.58	
32 17 23 13-0035 EA 120" (305 cm) High, Letter/Number, Alkyd Reflective Pavement Marking.....	66.53	
Note: Includes solvent based and latex paints.		
For <10, Add	7.05	
For >50 To 100, Deduct	-3.52	
For >100 To 200, Deduct	-4.70	
For >200, Deduct	-9.40	
32 17 23 13-0036 SF Letter/Number, Alkyd Reflective Pavement Marking.....	4.89	
Note: Includes solvent based and latex paints.		
32 17 23 13-0037 SF Symbols, Alkyd Reflective Pavement Marking.....	5.85	
Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
32 17 23 13-0038 Pavement Marking (CALTRAN) <small>(32 17 23 13)</small>		
Note: Per LF of detail.		
32 17 23 13-0039 LF CALTRAN Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0040 LF CALTRAN Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0041 LF CALTRAN Detail 4 Centerline.....	0.44	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0042 LF CALTRAN Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0043 LF CALTRAN Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.25	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0044 LF CALTRAN Detail 7 Centerline.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0045 LF CALTRAN Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0046 LF CALTRAN Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0047 LF CALTRAN Detail 10 Lanelines.....	0.44	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0048 LF CALTRAN Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0049 LF CALTRAN Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0050 LF CALTRAN Detail 13 Lanelines.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0051 LF CALTRAN Detail 14 Lanelines.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0052 LF CALTRAN Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0053 LF CALTRAN Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	
32 17 23 13-0054 LF CALTRAN Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.46	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0055 LF CALTRAN Detail 17 No Passing Zones-One Direction Lanelines.....	1.24	
For Up To 1 Mile, Add	0.25	
For >5 Miles, Deduct	-0.19	
32 17 23 13-0056 LF CALTRAN Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0057 LF CALTRAN Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.41	
For Up To 1 Mile, Add	0.08	
For >5 Miles, Deduct	-0.06	
32 17 23 13-0058 LF CALTRAN Detail 20 No Passing Zones-One Direction Lanelines.....	1.05	
For Up To 1 Mile, Add	0.21	
For >5 Miles, Deduct	-0.16	
32 17 23 13-0059 LF CALTRAN Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.28	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.04	
For Double Broken Line, Deduct	-0.08	
32 17 23 13-0060 LF CALTRAN Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.49	
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0061 LF CALTRAN Detail 23 No Passing Zones-Two Direction Lanelines.....	1.48	
For Up To 1 Mile, Add	0.30	
For >5 Miles, Deduct	-0.22	
32 17 23 13-0062 LF CALTRAN Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.22	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0063 LF CALTRAN Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.28	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0064 LF CALTRAN Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.34	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0065 LF CALTRAN Detail 26 Left Edgelines	0.06	
For Up To 1 Mile, Add	0.01	
For >5 Miles, Deduct	-0.01	
32 17 23 13-0066 LF CALTRAN Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.33	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0067 LF CALTRAN Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.22	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0068 LF CALTRAN Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0069 LF CALTRAN Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.56	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	
For Broken Line On One Side, Deduct	-0.08	
For Double Broken Line, Deduct	-0.17	
32 17 23 13-0070 LF CALTRAN Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.77	
For Up To 1 Mile, Add	0.15	
For >5 Miles, Deduct	-0.12	
32 17 23 13-0071 LF CALTRAN Detail 30 Median Islands.....	2.97	
For Up To 1 Mile, Add	0.59	
For >5 Miles, Deduct	-0.45	
32 17 23 13-0072 LF CALTRAN Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.48	
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0073 LF CALTRAN Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.75	
For Up To 1 Mile, Add	0.15	
For >5 Miles, Deduct	-0.11	
32 17 23 13-0074 LF CALTRAN Detail 33 Two-Way Left Turn Lanes.....	2.04	
For Up To 1 Mile, Add	0.41	
For >5 Miles, Deduct	-0.31	
32 17 23 13-0075 LF CALTRAN Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.41	
For Up To 1 Mile, Add	0.08	
For >5 Miles, Deduct	-0.06	
32 17 23 13-0076 LF CALTRAN Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0077 LF CALTRAN Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.46	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0078 LF CALTRAN Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0079 LF CALTRAN Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	0.93	
For Up To 1 Mile, Add	0.19	
For >5 Miles, Deduct	-0.14	
32 17 23 13-0080 LF CALTRAN Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.63	
For Up To 1 Mile, Add	0.13	
For >5 Miles, Deduct	-0.09	
32 17 23 13-0081 LF CALTRAN Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.68	
For Up To 1 Mile, Add	0.14	
For >5 Miles, Deduct	-0.10	
32 17 23 13-0082 LF CALTRAN Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.56	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0083 LF CALTRAN Detail 37A Lane Drop At Exit Ramps	0.99	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0084 LF CALTRAN Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0085 LF CALTRAN Detail 37C Lane Drop At Intersections	0.99	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0086 LF CALTRAN Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0087 LF CALTRAN Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.46	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0088 LF CALTRAN Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.68	
<i>For Up To 1 Mile, Add</i>	0.14	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0089 LF CALTRAN Detail 38C Channelizing Line	1.48	
<i>For Up To 1 Mile, Add</i>	0.30	
<i>For >5 Miles, Deduct</i>	-0.22	
32 17 23 13-0090 LF CALTRAN Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.28	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0091 LF CALTRAN Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0092 LF CALTRAN Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0093 LF CALTRAN Detail 40A Lane Line Extensions Through Intersections	0.76	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0094 LF CALTRAN Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0095 LF CALTRAN Detail 41A Center Line Extensions Through Intersections	0.76	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0096 EA CALTRAN 10' Arrow, Type I, Painted Reflective Pavement Marking	77.87	
<i>For <10, Add</i>	10.31	
<i>For >50 To 100, Deduct</i>	-5.15	
<i>For >100 To 200, Deduct</i>	-6.87	
<i>For >200, Deduct</i>	-13.74	
32 17 23 13-0097 EA CALTRAN 18' Arrow, Type I, Painted Reflective Pavement Marking	136.61	
<i>For <10, Add</i>	18.04	
<i>For >50 To 100, Deduct</i>	-9.02	
<i>For >100 To 200, Deduct</i>	-12.02	
<i>For >200, Deduct</i>	-24.05	
32 17 23 13-0098 EA CALTRAN 24' Arrow, Type I, Painted Reflective Pavement Marking	171.45	
<i>For <10, Add</i>	22.67	
<i>For >50 To 100, Deduct</i>	-11.34	
<i>For >100 To 200, Deduct</i>	-15.12	
<i>For >200, Deduct</i>	-30.23	
32 17 23 13-0099 EA CALTRAN 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	249.33	
<i>For <10, Add</i>	32.98	
<i>For >50 To 100, Deduct</i>	-16.49	
<i>For >100 To 200, Deduct</i>	-21.99	
<i>For >200, Deduct</i>	-43.97	
32 17 23 13-0100 EA CALTRAN 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	327.20	
<i>For <10, Add</i>	43.29	
<i>For >50 To 100, Deduct</i>	-21.64	
<i>For >100 To 200, Deduct</i>	-28.86	
<i>For >200, Deduct</i>	-57.71	
32 17 23 13-0101 EA CALTRAN 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	230.18	
<i>For <10, Add</i>	30.40	
<i>For >50 To 100, Deduct</i>	-15.20	
<i>For >100 To 200, Deduct</i>	-20.27	
<i>For >200, Deduct</i>	-40.54	
32 17 23 13-0102 EA CALTRAN 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	401.63	
<i>For <10, Add</i>	53.08	
<i>For >50 To 100, Deduct</i>	-26.54	
<i>For >100 To 200, Deduct</i>	-35.38	
<i>For >200, Deduct</i>	-70.77	
32 17 23 13-0103 EA CALTRAN 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	81.96	
<i>For <10, Add</i>	10.82	
<i>For >50 To 100, Deduct</i>	-5.41	
<i>For >100 To 200, Deduct</i>	-7.21	
<i>For >200, Deduct</i>	-14.43	
32 17 23 13-0104 EA CALTRAN 24' Arrow, Type V, Painted Reflective Pavement Marking	179.64	
<i>For <10, Add</i>	23.70	
<i>For >50 To 100, Deduct</i>	-11.85	
<i>For >100 To 200, Deduct</i>	-15.80	
<i>For >200, Deduct</i>	-31.61	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0105 EA CALTRAN 18' Arrow, Type VI, Painted Reflective Pavement Marking	230.18	
For <10, Add	30.40	
For >50 To 100, Deduct	-15.20	
For >100 To 200, Deduct	-20.27	
For >200, Deduct	-40.54	
32 17 23 13-0106 EA CALTRAN 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	148.33	
For <10, Add	19.58	
For >50 To 100, Deduct	-9.79	
For >100 To 200, Deduct	-13.05	
For >200, Deduct	-26.11	
32 17 23 13-0107 EA CALTRAN 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	195.34	
For <10, Add	25.77	
For >50 To 100, Deduct	-12.88	
For >100 To 200, Deduct	-17.18	
For >200, Deduct	-34.35	
32 17 23 13-0108 EA CALTRAN 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	38.94	
For <10, Add	5.15	
For >50 To 100, Deduct	-2.58	
For >100 To 200, Deduct	-3.44	
For >200, Deduct	-6.87	
32 17 23 13-0109 EA CALTRAN Railroad Crossing Symbol, Painted Reflective Pavement Marking	372.19	
Note: Excludes variable width transverse lines.		
For <10, Add	48.95	
For >50 To 100, Deduct	-24.48	
For >100 To 200, Deduct	-32.64	
For >200, Deduct	-65.27	
32 17 23 13-0110 SF CALTRAN Solid Area, Painted Reflective Pavement Marking	4.84	
32 17 23 13-0111 EA CALTRAN Bike Lane Symbol Without Person, Painted Reflective Pavement Marking	35.72	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.71	
For >50 To 100, Deduct	-1.86	
For >100 To 200, Deduct	-2.47	
For >200, Deduct	-4.95	
32 17 23 13-0112 EA CALTRAN Bike Lane Symbol With Person, Painted Reflective Pavement Marking	37.82	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.92	
For >50 To 100, Deduct	-1.96	
For >100 To 200, Deduct	-2.61	
For >200, Deduct	-5.22	
32 17 23 13-0113 EA CALTRAN Diamond Symbol, Painted Reflective Pavement Marking	62.16	
For <10, Add	8.24	
For >50 To 100, Deduct	-4.12	
For >100 To 200, Deduct	-5.50	
For >200, Deduct	-10.99	
32 17 23 13-0114 EA CALTRAN International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	126.36	
For <10, Add	16.70	
For >50 To 100, Deduct	-8.35	
For >100 To 200, Deduct	-11.13	
For >200, Deduct	-22.26	
32 17 23 13-0115 EA CALTRAN Bike Loop Detector Symbol, Painted Reflective Pavement Marking	27.36	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.92	
For >50 To 100, Deduct	-1.96	
For >100 To 200, Deduct	-2.61	
For >200, Deduct	-5.22	
32 17 23 13-0116 SF CALTRAN Letter/Number, Painted Reflective Pavement Marking.....	4.91	
32 17 23 13-0117 SF CALTRAN Symbols, Painted Reflective Pavement Marking.....	5.46	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0118 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.87	
32 17 23 13-0121 LF Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.94	
32 17 23 13-0122 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.00	
32 17 23 13-0123 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.12	
32 17 23 13-0124 SF Solid Area, Painted Pavement Marking For Parking Areas.....	4.26	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	2.98	
For Up To 10, Add	0.41	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.27	
For >200, Deduct	-0.55	
32 17 23 13-0126 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.00	
For Up To 10, Add	0.62	
For >50 To 100, Deduct	-0.31	
For >100 To 200, Deduct	-0.41	
For >200, Deduct	-0.82	
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.42	
For Up To 10, Add	1.03	
For >50 To 100, Deduct	-0.52	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	15.75	
<i>For Up To 10, Add</i>	1.96	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100 To 200, Deduct</i>	-1.31	
<i>For >200, Deduct</i>	-2.61	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	20.97	
<i>For Up To 10, Add</i>	2.68	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 200, Deduct</i>	-1.79	
<i>For >200, Deduct</i>	-3.57	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	25.49	
<i>For Up To 10, Add</i>	3.30	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100 To 200, Deduct</i>	-2.20	
<i>For >200, Deduct</i>	-4.40	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	33.90	
<i>For Up To 10, Add</i>	4.12	
<i>For >50 To 100, Deduct</i>	-2.06	
<i>For >100 To 200, Deduct</i>	-2.75	
<i>For >200, Deduct</i>	-5.50	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas	59.21	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas	67.12	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	94.06	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	95.88	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	124.03	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	24.66	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	17.56	
<i>For Blue Background With White Symbol And Border, Add</i>	21.95	
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	35.38	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	35.13	
<i>For Blue Background With White Symbol And Border, Add</i>	43.91	
32 17 23 13-0139 Painted Curbs <small>(32 17 23 13)</small>		
32 17 23 13-0140 LF Reflective Painted Curb	1.86	
32 17 23 13-0141 LF Reflective Painted Curb And Gutter.....	3.37	
32 17 23 13-0142 LF Painted Curb, Any Color	1.50	
32 17 23 13-0143 LF Painted Curb And Gutter, Any Color.....	2.97	
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>		
32 17 23 13-0145 LF 2" Wide Marking For Outdoor Play Areas.....	0.63	
32 17 23 13-0146 LF 3" Wide Marking For Outdoor Play Areas.....	0.72	
32 17 23 13-0147 LF 4" Wide Marking For Outdoor Play Areas.....	0.82	
32 17 23 13-0148 LF 6" Wide Marking For Outdoor Play Areas.....	0.96	
32 17 23 13-0149 EA Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	232.05	
32 17 23 23 Raised Pavement Markings <small>(32 17 23)</small>		
32 17 23 23-0001 Recessed (Plowable) Pavement Markers <small>(32 17 23 23)</small>		
32 17 23 23-0002 EA One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	63.50	
32 17 23 23-0003 EA Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	64.37	
32 17 23 23-0004 EA Remove And Replace Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	16.28	
32 17 23 23-0005 EA Remove And Replace Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	20.45	
32 17 23 23-0006 Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>		
32 17 23 23-0007 EA One-Way Reflective, Raised Pavement Marker (RPM)	2.56	
<i>For >100, Deduct</i>	-0.26	
32 17 23 23-0008 EA Two-Way Reflective, Raised Pavement Marker (RPM)	2.56	
<i>For >100, Deduct</i>	-0.26	
32 17 23 23-0009 EA Round Reflective, Raised Pavement Marker	3.05	
<i>For >100, Deduct</i>	-0.31	
32 17 23 23-0010 EA Non-Reflective, Raised Pavement Marker (RPM).....	3.30	
<i>For >100, Deduct</i>	-0.33	
32 17 23 33 Plastic Pavement Markings <small>(32 17 23)</small>		
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small>		
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
Note: 90 mil thickness.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0003 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	0.89	
For Up To 1 Mile, Add	0.18	
For >5 Miles, Deduct	-0.13	
For 60 mils Thick, Deduct	-0.12	
For 125 mils Thick, Add	0.15	
For Broken Line, Deduct	-0.50	
32 17 23 33-0004 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.26	
For Up To 1 Mile, Add	0.25	
For >5 Miles, Deduct	-0.19	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.22	
For Broken Line, Deduct	-0.74	
32 17 23 33-0005 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.66	
For Up To 1 Mile, Add	0.33	
For >5 Miles, Deduct	-0.25	
For 60 mils Thick, Deduct	-0.23	
For 125 mils Thick, Add	0.29	
For Broken Line, Deduct	-0.98	
32 17 23 33-0006 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.43	
For Up To 1 Mile, Add	0.49	
For >5 Miles, Deduct	-0.36	
For 60 mils Thick, Deduct	-0.34	
For 125 mils Thick, Add	0.44	
For Broken Line, Deduct	-1.48	
32 17 23 33-0007 SF >12" Wide, Thermoplastic Reflective Pavement Striping.....	2.73	
For 60 mils Thick, Deduct	-0.34	
For 125 mils Thick, Add	0.44	
32 17 23 33-0008 LF Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping.....	1.54	
For Up To 1 Mile, Add	0.31	
For >5 Miles, Deduct	-0.23	
For 60 mils Thick, Deduct	-0.23	
For 125 mils Thick, Add	0.29	
For Broken Line On One Side, Deduct	-0.49	
For Double Broken Line, Deduct	-0.98	
32 17 23 33-0009 LF Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping.....	2.25	
For Up To 1 Mile, Add	0.45	
For >5 Miles, Deduct	-0.34	
For 60 mils Thick, Deduct	-0.34	
For 125 mils Thick, Add	0.44	
For Broken Line On One Side, Deduct	-0.74	
For Double Broken Line, Deduct	-1.48	
32 17 23 33-0010 EA 6" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	4.07	
For Up To 10, Add	0.46	
For >50 To 100, Deduct	-0.23	
For >100 To 200, Deduct	-0.31	
For >200, Deduct	-0.62	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.22	
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	8.21	
For Up To 10, Add	0.70	
For >50 To 100, Deduct	-0.35	
For >100 To 200, Deduct	-0.47	
For >200, Deduct	-0.93	
For 60 mils Thick, Deduct	-0.62	
For 125 mils Thick, Add	0.80	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	13.97	
For Up To 10, Add	1.17	
For >50 To 100, Deduct	-0.58	
For >100 To 200, Deduct	-0.78	
For >200, Deduct	-1.55	
For 60 mils Thick, Deduct	-1.09	
For 125 mils Thick, Add	1.40	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	26.48	
For Up To 10, Add	2.34	
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.56	
For >200, Deduct	-3.12	
For 60 mils Thick, Deduct	-1.91	
For 125 mils Thick, Add	2.45	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	31.61	
For Up To 10, Add	2.62	
For >50 To 100, Deduct	-1.31	
For >100 To 200, Deduct	-1.75	
For >200, Deduct	-3.49	
For 60 mils Thick, Deduct	-2.48	
For 125 mils Thick, Add	3.19	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	56.93	
For Up To 10, Add	4.66	
For >50 To 100, Deduct	-2.33	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-6.21	
For 60 mils Thick, Deduct	-4.53	
For 125 mils Thick, Add	5.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	75.75	
<i>For Up To 10, Add</i>	6.26	
<i>For >50 To 100, Deduct</i>	-3.13	
<i>For >100 To 200, Deduct</i>	-4.17	
<i>For >200, Deduct</i>	-8.34	
<i>For 60 mils Thick, Deduct</i>	-5.96	
<i>For 125 mils Thick, Add</i>	7.66	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	127.64	
<i>For Up To 10, Add</i>	7.75	
<i>For >50 To 100, Deduct</i>	-3.87	
<i>For >100 To 200, Deduct</i>	-5.17	
<i>For >200, Deduct</i>	-10.33	
<i>For 60 mils Thick, Deduct</i>	-13.30	
<i>For 125 mils Thick, Add</i>	17.10	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	7.12	
<i>For 60 mils Thick, Deduct</i>	-0.43	
<i>For 125 mils Thick, Add</i>	0.55	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	48.54	
<i>For 60 mils Thick, Deduct</i>	-3.09	
<i>For 125 mils Thick, Add</i>	3.97	
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking	187.53	
<i>For 60 mils Thick, Deduct</i>	-9.86	
<i>For 125 mils Thick, Add</i>	12.68	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking	59.40	
<i>For 60 mils Thick, Deduct</i>	-3.09	
<i>For 125 mils Thick, Add</i>	3.97	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking	556.32	
<i>For 60 mils Thick, Deduct</i>	-30.02	
<i>For 125 mils Thick, Add</i>	38.60	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	105.12	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-13.59	
<i>For 125 mils Thick, Add</i>	17.47	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking	89.69	
<i>For 60 mils Thick, Deduct</i>	-4.72	
<i>For 125 mils Thick, Add</i>	6.07	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking	8.15	
Note: Handicap, railroad, diamond, arrows, etc.		
<i>For 60 mils Thick, Deduct</i>	-0.43	
<i>For 125 mils Thick, Add</i>	0.55	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking	114.14	
<i>For 60 mils Thick, Deduct</i>	-6.00	
<i>For 125 mils Thick, Add</i>	7.72	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking	203.83	
<i>For 60 mils Thick, Deduct</i>	-10.72	
<i>For 125 mils Thick, Add</i>	13.79	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking	252.76	
<i>For 60 mils Thick, Deduct</i>	-13.30	
<i>For 125 mils Thick, Add</i>	17.10	
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking	366.91	
<i>For 60 mils Thick, Deduct</i>	-19.30	
<i>For 125 mils Thick, Add</i>	24.82	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking	481.06	
<i>For 60 mils Thick, Deduct</i>	-25.31	
<i>For 125 mils Thick, Add</i>	32.54	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking	342.45	
<i>For 60 mils Thick, Deduct</i>	-18.01	
<i>For 125 mils Thick, Add</i>	23.16	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking	595.20	
<i>For 60 mils Thick, Deduct</i>	-31.31	
<i>For 125 mils Thick, Add</i>	40.25	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking	122.30	
<i>For 60 mils Thick, Deduct</i>	-6.43	
<i>For 125 mils Thick, Add</i>	8.27	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking	269.07	
<i>For 60 mils Thick, Deduct</i>	-14.15	
<i>For 125 mils Thick, Add</i>	18.20	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking	342.45	
<i>For 60 mils Thick, Deduct</i>	-18.01	
<i>For 125 mils Thick, Add</i>	23.16	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking	220.15	
<i>For 60 mils Thick, Deduct</i>	-11.58	
<i>For 125 mils Thick, Add</i>	14.89	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking	293.52	
<i>For 60 mils Thick, Deduct</i>	-15.44	
<i>For 125 mils Thick, Add</i>	19.85	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking	57.08	
<i>For 60 mils Thick, Deduct</i>	-3.00	
<i>For 125 mils Thick, Add</i>	3.86	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.11	
<i>For 60 mils Thick, Deduct</i>	-0.12	
<i>For 125 mils Thick, Add</i>	0.15	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0041	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs2.64 <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	-0.17 0.22	
32 17 23 33-0042	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....3.24 <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	-0.23 0.29	
32 17 23 33-0043	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....4.64 <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	-0.34 0.44	
32 17 23 33-0044	LF		Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....8.28 <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	-0.69 0.89	
32 17 23 33-0045			Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small> Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Starmark 380 Series).		
32 17 23 33-0046	LF		Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....1.85 <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	0.37 -0.28	
32 17 23 33-0047	LF		Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....2.72 <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	0.54 -0.41	
32 17 23 33-0048	LF		Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....3.61 <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	0.72 -0.54	
32 17 23 33-0049	LF		Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....5.34 <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	1.07 -0.80	
32 17 23 33-0050	SF		Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape .....15.33 Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0051	EA		6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....22.68 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	0.84 -0.42 -0.56 -1.13	
32 17 23 33-0052	EA		12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....39.60 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	1.07 -0.54 -0.72 -1.43	
32 17 23 33-0053	EA		24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....68.34 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	2.12 -1.06 -1.42 -2.83	
32 17 23 33-0054	EA		36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....99.91 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	4.25 -2.12 -2.83 -5.66	
32 17 23 33-0055	EA		48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....116.89 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	4.76 -2.38 -3.18 -6.35	
32 17 23 33-0056	EA		72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....152.17 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	8.47 -4.24 -5.65 -11.29	
32 17 23 33-0057	EA		96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....194.65 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.38 -5.69 -7.59 -15.17	
32 17 23 33-0058	EA		120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....243.81 <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.10 -7.05 -9.40 -18.80	
32 17 23 33-0059	SF		Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape .....15.88		
32 17 23 33-0060	SF		Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape .....16.91 Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0061			Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: Heat applied. 125 mil thickness (90 mil for bicycle symbols). (Flint PreMark or HotTape Series).		
32 17 23 33-0062	EA		Preformed Bike Lane Symbol, Thermoplastic Reflective Pavement Marking Tape .....121.15 Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0063	EA		Preformed Railroad Crossing Symbol, Thermoplastic Reflective Pavement Marking Tape .....309.17 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0064	EA		Preformed Preferential Lane Symbol (Diamond), Thermoplastic Reflective Pavement Marking Tape .....73.43 Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0065	EA		6' Height, Preformed Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape .....67.08 Note: Approximate overall dimensions: 2' width x 6' height.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0066 EA 9-1/2' Height, Prefomed Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 110.85 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	110.85	
32 17 23 33-0067 EA 4' Height, Prefomed Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 73.90 Note: Approximate overall dimensions: 3' width x 4' height.	73.90	
32 17 23 33-0068 EA 8' Height, Prefomed Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 120.74 Note: Approximate overall dimensions: 6' width x 8' height.	120.74	
32 17 23 33-0069 EA Prefomed Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape..... 191.35 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	191.35	
32 17 23 33-0070 EA Prefomed Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 200.27 Note: Approximate overall dimensions: 13-1/2' width x 12-3/4' height.	200.27	
32 17 23 33-0071 EA Prefomed Elongated Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 117.59 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	117.59	
32 17 23 33-0072 EA Prefomed Elongated Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 127.48 Note: Approximate overall dimensions: 3' width x 12' height.	127.48	
32 17 23 33-0073 EA Prefomed Elongated Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 238.58 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	238.58	
32 17 23 33-0074 EA Prefomed Elongated Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape..... 198.92 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	198.92	
32 17 23 33-0075 EA Prefomed Elongated Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape 208.51 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	208.51	
32 17 23 33-0076 EA Prefomed Lane-Reduction Arrow, Thermoplastic Reflective Pavement Marking Tape 261.31 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	261.31	
32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas <small>(32 17 23 33)</small>		
32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas <small>(32 17 23 33-0077)</small> Note: Heat applied. (Flint HotTape Series).		
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, Thermoplastic Pavement Marking Tape For Parking Areas..... 45.09	45.09	
32 17 23 33-0080 EA 48" Handicap Symbol For Van Parking Stalls, Thermoplastic Pavement Marking Tape For Parking Areas..... 52.10	52.10	
32 17 26 Tactile Warning Surfaces <small>(32 17)</small>		
32 17 26 00-0001 Vitrified Polymer Composite (VPC) <small>(32 17 26)</small> Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface..... 50.27 Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	50.27	6.70
32 17 26 00-0003 SF Cast In Place VPC Truncated Dome Detectable Warning Surface..... 41.55 Note: Also raised strips or directional bars. All colors.	41.55	6.70
32 17 26 00-0004 EA 30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset..... 227.24	227.24	
32 17 26 00-0005 LF 24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete..... 54.25	54.25	13.39
32 18 Athletic And Recreational Surfacing <small>(32 10)</small>		
32 18 16 Synthetic Resilient Surfacing <small>(32 18)</small>		
32 18 16 13 Playground Protective Surfacing <small>(32 18 16)</small>		
32 18 16 13-0001 Tile Playground Surface Material <small>(32 18 16 13)</small> Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile..... 11.64 For Manufacturer's Standard Colors, Add 0.59 For Interlocking Tiles, Add 1.32 For Mechanically Fastened, Add 1.41 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	11.64	1.68
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile..... 11.95 For Manufacturer's Standard Colors, Add 0.59 For Interlocking Tiles, Add 1.32 For Mechanically Fastened, Add 1.47 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	11.95	1.79
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile..... 12.58 For Manufacturer's Standard Colors, Add 0.59 For Interlocking Tiles, Add 1.32 For Mechanically Fastened, Add 1.60 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	12.58	1.99
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile..... 13.21 For Manufacturer's Standard Colors, Add 0.59 For Interlocking Tiles, Add 1.32 For Mechanically Fastened, Add 1.72 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	13.21	2.21
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile..... 14.69 For Manufacturer's Standard Colors, Add 0.45 For Interlocking Tiles, Add 1.49 For Mechanically Fastened, Add 1.85 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	14.69	2.42
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile..... 15.38 For Manufacturer's Standard Colors, Add 0.45 For Interlocking Tiles, Add 1.49 For Mechanically Fastened, Add 1.99 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	15.38	2.64

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....	16.12	2.89
For Manufacturer's Standard Colors, Add	0.45	
For Interlocking Tiles, Add	1.49	
For Mechanically Fastened, Add	2.14	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....	17.65	3.09
For Manufacturer's Standard Colors, Add	0.25	
For Interlocking Tiles, Add	1.66	
For Mechanically Fastened, Add	2.27	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....	18.28	3.35
For Manufacturer's Standard Colors, Add	0.25	
For Interlocking Tiles, Add	1.66	
For Mechanically Fastened, Add	2.39	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	18.97	3.53
For Manufacturer's Standard Colors, Add	0.25	
For Interlocking Tiles, Add	1.66	
For Mechanically Fastened, Add	2.53	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	21.72	3.98
For Manufacturer's Standard Colors, Add	0.24	
For Interlocking Tiles, Add	1.95	
For Mechanically Fastened, Add	2.80	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface	1.14	0.25
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface	1.50	0.32
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface	1.90	0.38
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface	2.70	0.57
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	1.64	0.25
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.02	0.32
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	3.04	0.38
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	3.85	0.57
32 18 16 13-0022 SF 8" FIBAR System	8.93	0.95
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System	11.30	1.26
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	10.27	1.91
For Up To 2,000, Add	2.44	
For >2,000 To 3,000, Add	1.71	
For >3,000 To 4,000, Add	1.16	
For >4,000 To 5,000, Add	0.74	
For >5,000 To 7,000, Add	0.30	
For Aliphatic (Non Yellowing) Binder, Add	2.06	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	10.58	2.11
For Up To 2,000, Add	2.52	
For >2,000 To 3,000, Add	1.76	
For >3,000 To 4,000, Add	1.19	
For >4,000 To 5,000, Add	0.76	
For >5,000 To 7,000, Add	0.31	
For Aliphatic (Non Yellowing) Binder, Add	2.06	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	11.43	2.42
For Up To 2,000, Add	2.72	
For >2,000 To 3,000, Add	1.90	
For >3,000 To 4,000, Add	1.29	
For >4,000 To 5,000, Add	0.82	
For >5,000 To 7,000, Add	0.34	
For Aliphatic (Non Yellowing) Binder, Add	2.06	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	12.35	2.57
For Up To 2,000, Add	2.94	
For >2,000 To 3,000, Add	2.06	
For >3,000 To 4,000, Add	1.39	
For >4,000 To 5,000, Add	0.89	
For >5,000 To 7,000, Add	0.36	
For Aliphatic (Non Yellowing) Binder, Add	2.06	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	13.26	2.70
For Up To 2,000, Add	3.15	
For >2,000 To 3,000, Add	2.21	
For >3,000 To 4,000, Add	1.50	
For >4,000 To 5,000, Add	0.95	
For >5,000 To 7,000, Add	0.39	
For Aliphatic (Non Yellowing) Binder, Add	2.06	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing.....	14.04	2.86
<i>For Up To 2,000, Add</i>	3.34	
<i>For >2,000 To 3,000, Add</i>	2.34	
<i>For >3,000 To 4,000, Add</i>	1.58	
<i>For >4,000 To 5,000, Add</i>	1.01	
<i>For >5,000 To 7,000, Add</i>	0.41	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	14.96	3.01
<i>For Up To 2,000, Add</i>	3.56	
<i>For >2,000 To 3,000, Add</i>	2.49	
<i>For >3,000 To 4,000, Add</i>	1.69	
<i>For >4,000 To 5,000, Add</i>	1.07	
<i>For >5,000 To 7,000, Add</i>	0.44	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	16.77	3.38
<i>For Up To 2,000, Add</i>	3.99	
<i>For >2,000 To 3,000, Add</i>	2.79	
<i>For >3,000 To 4,000, Add</i>	1.89	
<i>For >4,000 To 5,000, Add</i>	1.20	
<i>For >5,000 To 7,000, Add</i>	0.49	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing.....	6.71	
<i>Note: Not used with new surfacing system tasks.</i>		
<i>For Up To 2,000, Add</i>	2.45	
<i>For >2,000 To 3,000, Add</i>	1.57	
<i>For >3,000 To 4,000, Add</i>	0.95	
<i>For >4,000 To 5,000, Add</i>	0.57	
<i>For >5,000 To 7,000, Add</i>	0.26	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	1,876.34	

32 18 23 Athletic Surfacing (32 18)

32 18 23 13 Baseball Field Surfacing (32 18 23)

32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)

32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag).....	8.82
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag).....	8.82
32 18 23 13-0004 CY Playing Field Maintenance Of Clay.....	65.44

32 18 23 23 Field Sport Surfacing (32 18 23)

32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)

32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration).....	118.62
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand.....	11.13

32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)

32 18 23 29-0001 Synthetic Turf (32 18 23 29)

32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)

Note: Includes labor, equipment and material required to install the task.

**32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay
Grass™ MT) (32 18 23 29-0002)**

**32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf
(AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)**

32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	3.75
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10
<i>For Cryo Rubber Infill, Add</i>	0.26
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	13,240.78
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	10,792.48
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,247.74
<i>Note: Per sport.</i>	
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,199.16
<i>Note: Per letter. Excludes outline.</i>	
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,149.20
<i>Note: Per endzone.</i>	
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	9,993.04
<i>Note: Block letter.</i>	
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	14,489.91
<i>Note: Graphic.</i>	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.27	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,490.68	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,192.27	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,497.58	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	1,299.10	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,199.17	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	10,492.76	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	15,214.49	
Note: Graphic.		
32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023 SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.38	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0024 EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,740.51	
32 18 23 29-0025 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,091.65	
32 18 23 29-0026 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,747.41	
Note: Per sport.		
32 18 23 29-0027 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,399.03	
Note: Per letter. Excludes outline.		
32 18 23 29-0028 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,249.14	
Note: Per endzone.		
32 18 23 29-0029 EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	10,992.41	
Note: Block letter.		
32 18 23 29-0030 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	15,938.99	
Note: Graphic.		
32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033 SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.08	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0034 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,240.08	
32 18 23 29-0035 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,189.42	
32 18 23 29-0036 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,247.04	
Note: Per sport.		
32 18 23 29-0037 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,598.89	
Note: Per letter. Excludes outline.		
32 18 23 29-0038 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,349.06	
Note: Per endzone.		
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	11,991.65	
Note: Block letter.		
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,387.89	
Note: Graphic.		
32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.31	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	14,489.91	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,888.24	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	4,496.87	
Note: Per sport.		



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32 18 23 29-0046	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	1,698.82	
32 18 23 29-0047	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.	1,399.03	
32 18 23 29-0048	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	12,491.30	
32 18 23 29-0049	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	18,112.38	
32 18 23 29-0050			52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)		
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52).....	5.32	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	14,739.73	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	16,988.17	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	4,746.69	
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per letter. Excludes outline.	1,798.75	
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	1,448.99	
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	12,990.95	
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	18,836.88	
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	5.45	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	14,989.56	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	18,087.40	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	4,996.52	
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per letter. Excludes outline.	1,998.61	
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	1,498.96	
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Block letter.	13,490.60	
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	19,561.38	
32 18 23 29-0068			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069			38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.04	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	12,741.20	
32 18 23 29-0072	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,393.51	
32 18 23 29-0073	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	2,748.10	
32 18 23 29-0074	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per letter. Excludes outline.	999.31	
32 18 23 29-0075	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,049.28	
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Block letter.	8,993.79	
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Graphic.	13,041.00	
32 18 23 29-0078			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		

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32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	3.58	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	12,990.95	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	9,993.04	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	2,997.91	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,099.23	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields	1,099.23	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,493.39	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	13,765.41	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.41	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	7.39	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields.....	24,654.57	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields.....	29,290.47	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	7,164.58	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	2,739.40	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields	2,033.37	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	18,300.30	
Note: Block letter.		
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields.....	26,867.16	
Note: Graphic.		
32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	5.29	
Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.49	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	5.25	
Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.49	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	5.46	
Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf.....	34,083.57	
Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf	14,769.55	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf	14,769.55	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf	14,769.55	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	14,769.55	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf.....	1,704.18	
Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.60	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.17	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.19	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	0.60	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	0.98	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf	1,136.12	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf	11,361.19	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf.....	0.37	
Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
For >10,000 To 30,000, Deduct	-0.15	
For >30,000 To 60,000, Deduct	-0.26	
For >60,000, Deduct	-0.28	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	2.55	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill	2.83	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf	2.32	
Note: Used for drainage over asphalt or on roof tops.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.43	
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,264.20	
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	6.23	
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....	2.49	
32 18 23 29-0122 SF Remove And Recycle Existing Field..... Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.75	
 32 18 23 33 Running Track Surfacing (32 18 23)		
32 18 23 33-0001 Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	24.71	
 32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track..... Note: Includes certification.	13.93	
 32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39)		
Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100).....	35.63	
For >5,500, Deduct	-3.92	
For Up To 4,000, Add	12.47	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200).....	47.81	
For >5,500, Deduct	-5.26	
For Up To 4,000, Add	16.73	
For Custom Color Upgrade, Add	4.54	
For Aliphatic Top Coating, Add	8.61	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500).....	80.36	
For >5,500, Deduct	-4.82	
For Up To 4,000, Add	28.13	
For Custom Color Upgrade, Add	6.19	
For Aliphatic Top Coating, Add	11.49	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	103.80	
For >5,500, Deduct	-6.23	
For Up To 4,000, Add	36.33	
For Custom Color Upgrade, Add	8.10	
For Aliphatic Top Coating, Add	11.83	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning).....	32.46	
For >5,500, Deduct	-3.57	
For Up To 4,000, Add	11.36	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	36.53	
For >5,500, Deduct	-5.30	
For Up To 4,000, Add	12.79	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks.....	32.09	
For Up To 4,000, Add	11.23	
For >5,500, Deduct	-3.14	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks.....	62.11	
For Up To 4,000, Add	21.74	
For >5,500, Deduct	-6.55	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks.....	18.06	
Note: Two layers.		
For Up To 4,000, Add	6.32	
For >5,500, Deduct	-2.99	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	22.00	
Note: Two layers.		
For Up To 4,000, Add	7.70	
For >5,500, Deduct	-2.99	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track..... Note: Includes two coats of acrylic resurfacer and two coats of color. For College Track Restriping, Add	7,467.62 1,357.75	
 32 18 23 53 Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53)		
See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	25.61	
32 18 23 53-0003 SY Resurface Tennis Court Bituminous Pavement.....	6.99	
 32 18 23 53-0004 Tennis Court Markings (32 18 23 53)		

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32 18 23 53-0005 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	363.25	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001 SY Clay Tennis Court.....	36.52	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	40.61	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	17.10	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	10.69	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone.....	9.08	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement.....	6.30	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.76	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.60	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.19	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	89.33	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.28	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.12	
For US Open Blue, Add	0.43	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.87	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.09	
For US Open Blue, Add	0.31	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.64	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.07	
For US Open Blue, Add	0.24	
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.65	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.04	
For US Open Or Australian Open Blue, Add	0.29	
For Pro Purple, Add	0.63	
32 18 23 61-0012 Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013 SY Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	1.05	
Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.		
32 18 23 61-0014 Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0015 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®).....	4.76	
Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)		



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32 18 23 61-0017	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat 3.36 Note: Applied with rubber squeegee.	3.36	
32 18 23 61-0018	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat 4.53 Note: Applied with rubber squeegee.	4.53	
32 18 23 61-0019	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat 3.92 Note: Price per coat for third or additional coats. Applied with rubber squeegee.	3.92	
32 18 23 61-0020	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat 2.97 Note: Applied with rubber squeegee.	2.97	
32 18 23 61-0021	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat 2.30 Note: Price per coat for second or additional coats. Applied with rubber squeegee.	2.30	

32 30 Site Improvements ⁽³²⁾

32 31 Fences And Gates ^(32 30)

32 31 11 Gate Operators ^(32 31)

32 31 11 00-0001 Gate Operators ^(32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Swing Gate Actuator ^(32 31 11 00-0001)

32 31 11 00-0003 Single Gate, Swing Gate Actuator ^(32 31 11 00-0002)

32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 1,374.95 166.22

32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 1,667.45 166.22

Note: Includes one primary operator with a 14' wide gate capacity.

32 31 11 00-0006 Dual Gate, Swing Gate Actuator ^(32 31 11 00-0002)

32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 2,307.39 332.45

32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 2,892.39 332.45

Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.

32 31 11 00-0009 Swing Gate Operators ^(32 31 11 00-0001)

32 31 11 00-0010 Single Gate, Swing Gate Operators ^(32 31 11 00-0009)

32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 1,847.45 166.22

32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 1,997.45 166.22

32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 2,522.45 166.22

32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 2,844.95 166.22

For 208/230/460 Volt AC, Add 322.50

Note: Includes one primary operator with an 18' wide and 700# gate capacity.

For 208/230/460 Volt AC, Add 322.50

Note: Includes one primary operator with a 22' wide and 800# gate capacity.

32 31 11 00-0015 Dual Gate, Swing Gate Operators ^(32 31 11 00-0009)

32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 3,760.89 332.45

32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 4,060.89 332.45

32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 4,647.39 332.45

For 208/230/460 Volt AC, Add 322.50

32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 5,322.39 332.45

For 208/230/460 Volt AC, Add 322.50

Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.

32 31 11 00-0020 Sliding Gate Operators ^(32 31 11 00-0001)

Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.

32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) 1,509.95 166.22

Note: Includes operator, chain brackets, hardware and 20' of #41 chain.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0022 EA 500 LB Capacity, Up To 22' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9070).....	1,997.45	166.22
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,176.44	199.46
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	2,641.44	199.46
Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,320.42	232.71
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,130.42	232.71
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	6,696.91	265.95
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	9,531.91	265.95
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	23,090.90	299.20
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030 Accessories For Gate Actuators And Operators (32 31 11 00-0001)		
32 31 11 00-0031 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	382.33	
32 31 11 00-0032 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	748.92	
32 31 11 00-0033 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	425.48	
32 31 11 00-0034 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	491.96	
32 31 11 00-0035 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	386.21	
32 31 11 00-0036 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	304.46	
32 31 11 00-0037 LF #40 Chain For Sliding Gate Operators.....	5.16	
32 31 11 00-0038 LF #41 Chain For Sliding Gate Operators.....	4.04	
32 31 11 00-0039 LF #50 Chain For Sliding Gate Operators.....	7.04	
32 31 11 00-0040 LF #60 Chain For Sliding Gate Operators.....	7.78	
32 31 13 Chain Link Fences And Gates (32 31)		
32 31 13 00-0001 Post Holes (32 31 13)		
Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0063 for core drilling in concrete, 02 41 19 13-0195 for core drilling in asphalt.		
32 31 13 00-0002 Drilling Post Hole In Soil (32 31 13 00-0001)		
Note: Auger by machine unless otherwise notified by owner.		
32 31 13 00-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.30	
32 31 13 00-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.21	
32 31 13 00-0005 VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.73	
32 31 13 00-0006 VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.95	
32 31 13 00-0007 VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.95	
32 31 13 00-0008 VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.14	
32 31 13 00-0009 VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.60	
32 31 13 00-0010 VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.43	
32 31 13 00-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.78	
32 31 13 00-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.90	
32 31 13 00-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	26.28	
32 31 13 00-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	32.86	
32 31 13 00-0015 Drilling Post Hole In Rock (32 31 13 00-0001)		
32 31 13 00-0016 CF Jackhammer Post Hole, Rock.....	53.34	
32 31 13 00-0017 CF Rock Drill Post Hole, Rock.....	16.26	
32 31 13 00-0018 Post Hole Fill (32 31 13 00-0001)		
See CSI section 03 21 00 00-0000 for reinforcing steel.		
32 31 13 00-0019 Concrete Fill (32 31 13 00-0018)		
32 31 13 00-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	4.38	
32 31 13 00-0021 VLF Concrete Fill, 2-1/2" Diameter Hole.....	5.62	
32 31 13 00-0022 VLF Concrete Fill, 3" Diameter Hole.....	6.20	
32 31 13 00-0023 VLF Concrete Fill, 4" Diameter Hole.....	7.11	
32 31 13 00-0024 VLF Concrete Fill, 6" Diameter Hole.....	10.03	
32 31 13 00-0025 VLF Concrete Fill, 8" Diameter Hole.....	13.38	
32 31 13 00-0026 VLF Concrete Fill, 10" Diameter Hole.....	16.36	
32 31 13 00-0027 VLF Concrete Fill, 12" Diameter Hole.....	19.08	
32 31 13 00-0028 VLF Concrete Fill, 18" Diameter Hole.....	25.97	
32 31 13 00-0029 VLF Concrete Fill, 24" Diameter Hole.....	32.20	
32 31 13 00-0030 VLF Concrete Fill, 30" Diameter Hole.....	38.27	
32 31 13 00-0031 VLF Concrete Fill, 36" Diameter Hole.....	44.59	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0032 Grout Fill <small>(32 31 13 00-0018)</small>		
32 31 13 00-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole.....	5.19	
32 31 13 00-0034 VLF Grout Fill, 2-1/2" Diameter Hole.....	6.70	
32 31 13 00-0035 VLF Grout Fill, 3" Diameter Hole.....	7.29	
32 31 13 00-0036 VLF Grout Fill, 4" Diameter Hole.....	8.19	
32 31 13 00-0037 VLF Grout Fill, 6" Diameter Hole.....	11.42	
32 31 13 00-0038 VLF Grout Fill, 8" Diameter Hole.....	15.25	
32 31 13 00-0039 VLF Grout Fill, 10" Diameter Hole.....	18.58	
32 31 13 00-0040 VLF Grout Fill, 12" Diameter Hole.....	21.56	
32 31 13 00-0041 VLF Grout Fill, 18" Diameter Hole.....	28.81	
32 31 13 00-0042 VLF Grout Fill, 24" Diameter Hole.....	35.18	
32 31 13 00-0043 VLF Grout Fill, 30" Diameter Hole.....	41.35	
32 31 13 00-0044 VLF Grout Fill, 36" Diameter Hole.....	47.66	
32 31 13 00-0045 Earth Fill, Compacted <small>(32 31 13 00-0018)</small>		
32 31 13 00-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	3.69	
32 31 13 00-0047 VLF Earth Fill, 2-1/2" Diameter Hole.....	4.82	
32 31 13 00-0048 VLF Earth Fill, 3" Diameter Hole.....	5.04	
32 31 13 00-0049 VLF Earth Fill, 4" Diameter Hole.....	5.19	
32 31 13 00-0050 VLF Earth Fill, 6" Diameter Hole.....	6.92	
32 31 13 00-0051 VLF Earth Fill, 8" Diameter Hole.....	9.23	
32 31 13 00-0052 VLF Earth Fill, 10" Diameter Hole.....	11.08	
32 31 13 00-0053 VLF Earth Fill, 12" Diameter Hole.....	12.56	
32 31 13 00-0054 VLF Earth Fill, 18" Diameter Hole.....	15.31	
32 31 13 00-0055 VLF Earth Fill, 24" Diameter Hole.....	17.17	
32 31 13 00-0056 VLF Earth Fill, 30" Diameter Hole.....	18.84	
32 31 13 00-0057 VLF Earth Fill, 36" Diameter Hole.....	20.31	
32 31 13 00-0058 Fence Posts <small>(32 31 13)</small>		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0001 for drilling for augering holes.		
32 31 13 00-0059 Fence Posts <small>(32 31 13 00-0058)</small>		
32 31 13 00-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 00-0059)</small>		
Note: Includes cap and accessories.		
32 31 13 00-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	8.52	1.89
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	7.97	1.62
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	7.32	1.33
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	6.80	1.05
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	6.44	0.91
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	5.90	0.63
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 00-0067 Post Without Top Rail Fitting, Galvanized Steel, (1.66" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.13	1.75
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
<i>For Each Single Barbed Wire Arm, Add</i>		
	1.90	
<i>For Each Double Barbed Wire Arm, Add</i>		
	3.40	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
	0.66	
<i>For Vinyl Coated, Add</i>		
	1.57	
<i>For Powder Coated, Add</i>		
	2.10	
<i>For Aluminum Coated, Add</i>		
	3.28	
<i>For Schedule 20, Deduct</i>		
	-0.52	
<i>For Schedule 80, Add</i>		
	1.61	
32 31 13 00-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	5.58	1.47
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
<i>For Each Single Barbed Wire Arm, Add</i>		
	1.90	
<i>For Each Double Barbed Wire Arm, Add</i>		
	3.40	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
	0.66	
<i>For Vinyl Coated, Add</i>		
	1.57	
<i>For Powder Coated, Add</i>		
	2.10	
<i>For Aluminum Coated, Add</i>		
	3.28	
<i>For Schedule 20, Deduct</i>		
	-0.52	
<i>For Schedule 80, Add</i>		
	1.55	
32 31 13 00-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	4.98	1.20
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
<i>For Each Single Barbed Wire Arm, Add</i>		
	1.90	
<i>For Each Double Barbed Wire Arm, Add</i>		
	3.40	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
	0.66	
<i>For Vinyl Coated, Add</i>		
	1.57	
<i>For Powder Coated, Add</i>		
	2.10	
<i>For Aluminum Coated, Add</i>		
	3.28	
<i>For Schedule 20, Deduct</i>		
	-0.52	
<i>For Schedule 80, Add</i>		
	1.49	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	4.51	0.91
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.45	
32 31	13 00-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.20	0.77
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.42	
32 31	13 00-0073	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	3.86	0.63
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.38	
32 31	13 00-0074		Post Without Top Rail Fitting, Galvanized Steel, (1.90" Nominal) <small>(32 31 13 00-0059)</small>		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 00-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.82	1.82
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.90	
32 31	13 00-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	6.34	1.54
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.85	
32 31	13 00-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.70	1.26
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.79	
32 31	13 00-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.20	0.98
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.74	
32 31	13 00-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.87	0.84
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.70	



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.56	0.71
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.67	
32 31 13 00-0081 Post Without Top Rail Fitting, Galvanized Steel, (2.375" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	8.09	1.96
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.43	
32 31 13 00-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	7.54	1.68
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.37	
32 31 13 00-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	6.89	1.33
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.31	
32 31 13 00-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	6.37	1.05
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.26	
32 31 13 00-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	6.01	0.91
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.22	
32 31 13 00-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.68	0.71
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.19	
32 31 13 00-0088 Post Without Top Rail Fitting, Galvanized Steel, (2.875" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.56	2.11
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.47	
32 31 13 00-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	9.98	1.82
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.41	
32 31 13 00-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.28	1.47
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.34	
32 31 13 00-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.69	1.20
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.29	
32 31 13 00-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.31	0.98
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.25	
32 31 13 00-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	7.94	0.77
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.21	
32 31 13 00-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.77	2.24
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.41	
32 31 13 00-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.03	1.82
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.33	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	13.41	1.54
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.27	
32 31 13 00-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	12.80	1.26
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.21	
32 31 13 00-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	12.80	1.26
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.21	
32 31 13 00-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.09	0.91
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.14	
32 31 13 00-0102 Post Without Top Rail Fitting, Galvanized Steel, (6.625" Nominal) <small>(32 31 13 00-0099)</small>		
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	26.84	2.45
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	11.01	
32 31 13 00-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	26.04	2.03
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.93	
32 31 13 00-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	25.34	1.68
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.86	
32 31 13 00-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	24.65	1.33
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.79	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.25	1.20
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.75	
32 31	13 00-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	23.87	0.98
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.72	
32 31	13 00-0109		Post Without Top Rail Fitting, Galvanized Steel, (8.625" Nominal) (32 31 13 00-0059)		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 00-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	50.39	2.73
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	22.11	
32 31	13 00-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	49.49	2.31
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	22.02	
32 31	13 00-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	48.71	1.89
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.94	
32 31	13 00-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	47.93	1.47
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.86	
32 31	13 00-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	47.52	1.26
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.82	
32 31	13 00-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.08	1.05
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.78	

32 31 13 00-0116 Chain Link Fence Assemblies (32 31 13)



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0117 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts <small>(32 31 13 00-0116)</small> Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0633 for barb wire attachments.		
32 31 13 00-0118 Galvanized <small>(32 31 13 00-0117)</small>		
32 31 13 00-0119 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	17.69	2.38
For Installation In Concrete (Excludes Drilling), Add	0.93	
For 13 Gauge Fabric, Deduct	-2.90	
For 11 Gauge Fabric, Deduct	-1.70	
For 6 Gauge Fabric, Add	2.66	
For 1" Mesh Fabric, Add	3.63	
For 1-3/4" Mesh Fabric, Add	1.45	
For 2-1/8" Mesh Fabric, Deduct	-0.73	
For 2-3/8" Mesh Fabric, Deduct	-0.97	
For Posts 8' On Centers, Add	1.00	
For Posts 5' On Centers, Add	3.79	
For Up To 100, Add	3.59	
For >100 To 250, Add	1.35	
For >2,500 To 5,000, Deduct	-0.68	
For >5,000, Deduct	-1.35	
32 31 13 00-0120 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	18.43	2.38
For Installation In Concrete (Excludes Drilling), Add	0.95	
For 13 Gauge Fabric, Deduct	-3.11	
For 11 Gauge Fabric, Deduct	-1.81	
For 6 Gauge Fabric, Add	2.85	
For 1" Mesh Fabric, Add	3.89	
For 1-3/4" Mesh Fabric, Add	1.56	
For 2-1/8" Mesh Fabric, Deduct	-0.78	
For 2-3/8" Mesh Fabric, Deduct	-1.04	
For Posts 8' On Centers, Add	1.04	
For Posts 5' On Centers, Add	3.93	
For Up To 100, Add	3.71	
For >100 To 250, Add	1.40	
For >2,500 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-1.40	
32 31 13 00-0121 LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	19.06	2.38
For Installation In Concrete (Excludes Drilling), Add	0.96	
For 13 Gauge Fabric, Deduct	-3.28	
For 11 Gauge Fabric, Deduct	-1.91	
For 6 Gauge Fabric, Add	3.01	
For 1" Mesh Fabric, Add	4.10	
For 1-3/4" Mesh Fabric, Add	1.64	
For 2-1/8" Mesh Fabric, Deduct	-0.82	
For 2-3/8" Mesh Fabric, Deduct	-1.09	
For Posts 8' On Centers, Add	1.07	
For Posts 5' On Centers, Add	4.06	
For Up To 100, Add	3.82	
For >100 To 250, Add	1.43	
For >2,500 To 5,000, Deduct	-0.72	
For >5,000, Deduct	-1.43	
32 31 13 00-0122 LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	20.57	2.38
For Installation In Concrete (Excludes Drilling), Add	0.99	
For 13 Gauge Fabric, Deduct	-3.69	
For 11 Gauge Fabric, Deduct	-2.16	
For 6 Gauge Fabric, Add	3.39	
For 1" Mesh Fabric, Add	4.62	
For 1-3/4" Mesh Fabric, Add	1.85	
For 2-1/8" Mesh Fabric, Deduct	-0.92	
For 2-3/8" Mesh Fabric, Deduct	-1.23	
For Posts 8' On Centers, Add	1.15	
For Posts 5' On Centers, Add	4.35	
For Up To 100, Add	4.08	
For >100 To 250, Add	1.53	
For >2,500 To 5,000, Deduct	-0.76	
For >5,000, Deduct	-1.53	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 00-0123	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	22.41	2.38
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.06	
		<i>For 13 Gauge Fabric, Deduct</i>	-4.11	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.40	
		<i>For 6 Gauge Fabric, Add</i>	3.77	
		<i>For 1" Mesh Fabric, Add</i>	5.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.06	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.03	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.37	
		<i>For Posts 8' On Centers, Add</i>	1.25	
		<i>For Posts 5' On Centers, Add</i>	4.72	
		<i>For Up To 100, Add</i>	4.42	
		<i>For >100 To 250, Add</i>	1.65	
		<i>For >2,500 To 5,000, Deduct</i>	-0.82	
		<i>For >5,000, Deduct</i>	-1.65	
32 31 13 00-0124	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	23.50	3.58
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.10	
		<i>For 13 Gauge Fabric, Deduct</i>	-4.35	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.54	
		<i>For 6 Gauge Fabric, Add</i>	3.99	
		<i>For 1" Mesh Fabric, Add</i>	5.45	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.18	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.09	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.45	
		<i>For Posts 8' On Centers, Add</i>	1.31	
		<i>For Posts 5' On Centers, Add</i>	4.94	
		<i>For Up To 100, Add</i>	4.62	
		<i>For >100 To 250, Add</i>	1.72	
		<i>For >2,500 To 5,000, Deduct</i>	-0.86	
		<i>For >5,000, Deduct</i>	-1.72	
32 31 13 00-0125	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	26.44	4.17
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.17	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.13	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.99	
		<i>For 6 Gauge Fabric, Add</i>	4.71	
		<i>For 1" Mesh Fabric, Add</i>	6.42	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.57	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.28	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.71	
		<i>For Posts 8' On Centers, Add</i>	1.46	
		<i>For Posts 5' On Centers, Add</i>	5.52	
		<i>For Up To 100, Add</i>	5.14	
		<i>For >100 To 250, Add</i>	1.91	
		<i>For >2,500 To 5,000, Deduct</i>	-0.95	
		<i>For >5,000, Deduct</i>	-1.91	
32 31 13 00-0126	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	28.34	5.36
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.23	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.59	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.27	
		<i>For 6 Gauge Fabric, Add</i>	5.13	
		<i>For 1" Mesh Fabric, Add</i>	7.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.80	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.40	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.87	
		<i>For Posts 8' On Centers, Add</i>	1.56	
		<i>For Posts 5' On Centers, Add</i>	5.90	
		<i>For Up To 100, Add</i>	5.48	
		<i>For >100 To 250, Add</i>	2.03	
		<i>For >2,500 To 5,000, Deduct</i>	-1.01	
		<i>For >5,000, Deduct</i>	-2.03	
32 31 13 00-0127	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	30.23	5.96
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.05	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.54	
		<i>For 6 Gauge Fabric, Add</i>	5.56	
		<i>For 1" Mesh Fabric, Add</i>	7.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.03	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.52	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.02	
		<i>For Posts 8' On Centers, Add</i>	1.67	
		<i>For Posts 5' On Centers, Add</i>	6.27	
		<i>For Up To 100, Add</i>	5.82	
		<i>For >100 To 250, Add</i>	2.15	
		<i>For >2,500 To 5,000, Deduct</i>	-1.08	
		<i>For >5,000, Deduct</i>	-2.15	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0128 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	33.75	7.15
<i>For Each Additional Foot >12, Add</i>	3.14	
<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.39	
<i>For 13 Gauge Fabric, Deduct</i>	-6.90	
<i>For 11 Gauge Fabric, Deduct</i>	-4.03	
<i>For 6 Gauge Fabric, Add</i>	6.34	
<i>For 1" Mesh Fabric, Add</i>	8.64	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.46	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.73	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.30	
<i>For Posts 8' On Centers, Add</i>	1.85	
<i>For Posts 5' On Centers, Add</i>	6.98	
<i>For Up To 100, Add</i>	6.45	
<i>For >100 To 250, Add</i>	2.38	
<i>For >2,500 To 5,000, Deduct</i>	-1.19	
<i>For >5,000, Deduct</i>	-2.38	
32 31 13 00-0129 Vinyl Coated <small>(32 31 13 00-0117)</small>		
32 31 13 00-0130 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	19.94	2.38
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.55	
<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.96	
<i>For 13 Gauge Fabric, Deduct</i>	-3.58	
<i>For 11 Gauge Fabric, Deduct</i>	-2.09	
<i>For 6 Gauge Fabric, Add</i>	3.29	
<i>For 1" Mesh Fabric, Add</i>	4.48	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.79	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.90	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.20	
<i>For Posts 8' On Centers, Add</i>	1.11	
<i>For Posts 5' On Centers, Add</i>	4.22	
<i>For Up To 100, Add</i>	3.95	
<i>For >100 To 250, Add</i>	1.48	
<i>For >2,500 To 5,000, Deduct</i>	-0.74	
<i>For >5,000, Deduct</i>	-1.48	
32 31 13 00-0131 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	21.67	2.38
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.76	
<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.99	
<i>For 13 Gauge Fabric, Deduct</i>	-4.08	
<i>For 11 Gauge Fabric, Deduct</i>	-2.38	
<i>For 6 Gauge Fabric, Add</i>	3.74	
<i>For 1" Mesh Fabric, Add</i>	5.10	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.04	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.02	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.36	
<i>For Posts 8' On Centers, Add</i>	1.20	
<i>For Posts 5' On Centers, Add</i>	4.55	
<i>For Up To 100, Add</i>	4.24	
<i>For >100 To 250, Add</i>	1.58	
<i>For >2,500 To 5,000, Deduct</i>	-0.79	
<i>For >5,000, Deduct</i>	-1.58	
32 31 13 00-0132 LF 6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	24.66	2.38
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.11	
<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.06	
<i>For 13 Gauge Fabric, Deduct</i>	-4.89	
<i>For 11 Gauge Fabric, Deduct</i>	-2.86	
<i>For 6 Gauge Fabric, Add</i>	4.49	
<i>For 1" Mesh Fabric, Add</i>	6.12	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.45	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.22	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.63	
<i>For Posts 8' On Centers, Add</i>	1.36	
<i>For Posts 5' On Centers, Add</i>	5.13	
<i>For Up To 100, Add</i>	4.76	
<i>For >100 To 250, Add</i>	1.76	
<i>For >2,500 To 5,000, Deduct</i>	-0.88	
<i>For >5,000, Deduct</i>	-1.76	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 00-0133	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	26.12		3.58
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.27		
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.10		
		<i>For 13 Gauge Fabric, Deduct</i>	-5.26		
		<i>For 11 Gauge Fabric, Deduct</i>	-3.07		
		<i>For 6 Gauge Fabric, Add</i>	4.83		
		<i>For 1" Mesh Fabric, Add</i>	6.59		
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.63		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76		
		<i>For Posts 8' On Centers, Add</i>	1.44		
		<i>For Posts 5' On Centers, Add</i>	5.42		
		<i>For Up To 100, Add</i>	5.02		
		<i>For >100 To 250, Add</i>	1.86		
		<i>For >2,500 To 5,000, Deduct</i>	-0.93		
		<i>For >5,000, Deduct</i>	-1.86		
32 31 13 00-0134	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	29.49		4.17
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.67		
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.17		
		<i>For 13 Gauge Fabric, Deduct</i>	-6.19		
		<i>For 11 Gauge Fabric, Deduct</i>	-3.61		
		<i>For 6 Gauge Fabric, Add</i>	5.68		
		<i>For 1" Mesh Fabric, Add</i>	7.74		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.10		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.06		
		<i>For Posts 8' On Centers, Add</i>	1.61		
		<i>For Posts 5' On Centers, Add</i>	6.07		
		<i>For Up To 100, Add</i>	5.59		
		<i>For >100 To 250, Add</i>	2.06		
		<i>For >2,500 To 5,000, Deduct</i>	-1.03		
		<i>For >5,000, Deduct</i>	-2.06		
32 31 13 00-0135	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	31.61		5.36
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.90		
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.23		
		<i>For 13 Gauge Fabric, Deduct</i>	-6.73		
		<i>For 11 Gauge Fabric, Deduct</i>	-3.93		
		<i>For 6 Gauge Fabric, Add</i>	6.18		
		<i>For 1" Mesh Fabric, Add</i>	8.42		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.37		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.68		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.25		
		<i>For Posts 8' On Centers, Add</i>	1.73		
		<i>For Posts 5' On Centers, Add</i>	6.49		
		<i>For Up To 100, Add</i>	5.97		
		<i>For >100 To 250, Add</i>	2.19		
		<i>For >2,500 To 5,000, Deduct</i>	-1.10		
		<i>For >5,000, Deduct</i>	-2.19		
32 31 13 00-0136	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	33.73		5.96
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.14		
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.28		
		<i>For 13 Gauge Fabric, Deduct</i>	-7.27		
		<i>For 11 Gauge Fabric, Deduct</i>	-4.25		
		<i>For 6 Gauge Fabric, Add</i>	6.67		
		<i>For 1" Mesh Fabric, Add</i>	9.10		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.64		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.82		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.43		
		<i>For Posts 8' On Centers, Add</i>	1.84		
		<i>For Posts 5' On Centers, Add</i>	6.90		
		<i>For Up To 100, Add</i>	6.34		
		<i>For >100 To 250, Add</i>	2.33		
		<i>For >2,500 To 5,000, Deduct</i>	-1.16		
		<i>For >5,000, Deduct</i>	-2.33		
32 31 13 00-0137	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	36.83		7.15
		<i>For Each Additional Foot >12, Add</i>	3.39		
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.44		
		<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.39		
		<i>For 13 Gauge Fabric, Deduct</i>	-7.98		
		<i>For 11 Gauge Fabric, Deduct</i>	-4.66		
		<i>For 6 Gauge Fabric, Add</i>	7.32		
		<i>For 1" Mesh Fabric, Add</i>	9.98		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.99		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.00		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.66		
		<i>For Posts 8' On Centers, Add</i>	2.01		
		<i>For Posts 5' On Centers, Add</i>	7.53		
		<i>For Up To 100, Add</i>	6.91		
		<i>For >100 To 250, Add</i>	2.54		
		<i>For >2,500 To 5,000, Deduct</i>	-1.27		
		<i>For >5,000, Deduct</i>	-2.54		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0138			Rails <small>(32 31 13)</small> Note: Includes rail end fittings.		
32 31 13 00-0139			SS-20 Chain Link Fence Rails <small>(32 31 13 00-0138)</small> Note: Includes tie wires.		
32 31 13 00-0140	LF		1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	2.97	0.77
			For SS15, Deduct	-0.14	
			For SS40, Add	0.34	
32 31 13 00-0141	LF		1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.71	0.77
			For SS40, Add	0.21	
			For Powder Coated, Add	0.42	
			For Aluminum Coated, Add	0.84	
32 31 13 00-0142	LF		1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	3.55	0.88
			For SS15, Deduct	-0.18	
			For SS40, Add	0.45	
32 31 13 00-0143	LF		1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.53	0.88
			For SS40, Add	0.28	
			For Powder Coated, Add	0.56	
			For Aluminum Coated, Add	1.11	
32 31 13 00-0144	LF		2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.12	0.98
			For SS40, Add	0.54	
32 31 13 00-0145	LF		2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.30	0.98
			For SS40, Add	0.33	
			For Powder Coated, Add	0.67	
			For Aluminum Coated, Add	1.34	
32 31 13 00-0146			Fabric <small>(32 31 13)</small>		
32 31 13 00-0147			Fabric, Galvanized Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0148	LF		3' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.72	1.40
			For 2 Oz Galvanized Coating, Add	0.54	
			For 13 Gauge Fabric, Deduct	-0.98	
			For 11 Gauge Fabric, Deduct	-0.54	
			For 6 Gauge Fabric, Add	1.74	
			For 1" Mesh Fabric, Add	1.63	
			For 1-3/4" Mesh Fabric, Add	0.65	
			For 2-1/8" Mesh Fabric, Deduct	-0.33	
			For 2-3/8" Mesh Fabric, Deduct	-0.43	
32 31 13 00-0149	LF		3'-6" Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	7.44	1.57
			For 2 Oz Galvanized Coating, Add	0.63	
			For 13 Gauge Fabric, Deduct	-1.14	
			For 11 Gauge Fabric, Deduct	-0.63	
			For 6 Gauge Fabric, Add	2.02	
			For 1" Mesh Fabric, Add	1.90	
			For 1-3/4" Mesh Fabric, Add	0.76	
			For 2-1/8" Mesh Fabric, Deduct	-0.38	
			For 2-3/8" Mesh Fabric, Deduct	-0.51	
32 31 13 00-0150	LF		4' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.04	1.75
			For 2 Oz Galvanized Coating, Add	0.70	
			For 13 Gauge Fabric, Deduct	-1.25	
			For 11 Gauge Fabric, Deduct	-0.70	
			For 6 Gauge Fabric, Add	2.22	
			For 1" Mesh Fabric, Add	2.09	
			For 1-3/4" Mesh Fabric, Add	0.83	
			For 2-1/8" Mesh Fabric, Deduct	-0.42	
			For 2-3/8" Mesh Fabric, Deduct	-0.56	
32 31 13 00-0151	LF		5' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.06	2.11
			For 2 Oz Galvanized Coating, Add	0.87	
			For 13 Gauge Fabric, Deduct	-1.56	
			For 11 Gauge Fabric, Deduct	-0.87	
			For 6 Gauge Fabric, Add	2.77	
			For 1" Mesh Fabric, Add	2.60	
			For 1-3/4" Mesh Fabric, Add	1.04	
			For 2-1/8" Mesh Fabric, Deduct	-0.52	
			For 2-3/8" Mesh Fabric, Deduct	-0.69	
32 31 13 00-0152	LF		6' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.16	2.45
			For 2 Oz Galvanized Coating, Add	1.04	
			For 13 Gauge Fabric, Deduct	-1.87	
			For 11 Gauge Fabric, Deduct	-1.04	
			For 6 Gauge Fabric, Add	3.33	
			For 1" Mesh Fabric, Add	3.12	
			For 1-3/4" Mesh Fabric, Add	1.25	
			For 2-1/8" Mesh Fabric, Deduct	-0.62	
			For 2-3/8" Mesh Fabric, Deduct	-0.83	
32 31 13 00-0153	LF		7' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.32	2.80
			For 2 Oz Galvanized Coating, Add	1.21	
			For 13 Gauge Fabric, Deduct	-2.18	
			For 11 Gauge Fabric, Deduct	-1.21	
			For 6 Gauge Fabric, Add	3.88	
			For 1" Mesh Fabric, Add	3.64	
			For 1-3/4" Mesh Fabric, Add	1.46	
			For 2-1/8" Mesh Fabric, Deduct	-0.73	
			For 2-3/8" Mesh Fabric, Deduct	-0.97	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0154 LF 8' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.54	3.51
For 2 Oz Galvanized Coating, Add	1.39	
For 13 Gauge Fabric, Deduct	-2.49	
For 11 Gauge Fabric, Deduct	-1.39	
For 6 Gauge Fabric, Add	4.43	
For 1" Mesh Fabric, Add	4.16	
For 1-3/4" Mesh Fabric, Add	1.66	
For 2-1/8" Mesh Fabric, Deduct	-0.83	
For 2-3/8" Mesh Fabric, Deduct	-1.11	
32 31 13 00-0155 LF 10' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.93	3.85
For 2 Oz Galvanized Coating, Add	1.80	
For 13 Gauge Fabric, Deduct	-3.24	
For 11 Gauge Fabric, Deduct	-1.80	
For 6 Gauge Fabric, Add	5.76	
For 1" Mesh Fabric, Add	5.40	
For 1-3/4" Mesh Fabric, Add	2.16	
For 2-1/8" Mesh Fabric, Deduct	-1.08	
For 2-3/8" Mesh Fabric, Deduct	-1.44	
32 31 13 00-0156 LF 12' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.03	4.20
For 2 Oz Galvanized Coating, Add	2.16	
For 13 Gauge Fabric, Deduct	-3.88	
For 11 Gauge Fabric, Deduct	-2.16	
For 6 Gauge Fabric, Add	6.90	
For 1" Mesh Fabric, Add	6.47	
For 1-3/4" Mesh Fabric, Add	2.59	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.73	
32 31 13 00-0157 LF 14' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.09	4.91
For 2 Oz Galvanized Coating, Add	2.32	
For 13 Gauge Fabric, Deduct	-4.17	
For 11 Gauge Fabric, Deduct	-2.32	
For 6 Gauge Fabric, Add	7.42	
For 1" Mesh Fabric, Add	6.95	
For 1-3/4" Mesh Fabric, Add	2.78	
For 2-1/8" Mesh Fabric, Deduct	-1.39	
For 2-3/8" Mesh Fabric, Deduct	-1.85	
32 31 13 00-0158 LF 16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.13	5.60
For 2 Oz Galvanized Coating, Add	2.48	
For 13 Gauge Fabric, Deduct	-4.46	
For 11 Gauge Fabric, Deduct	-2.48	
For 6 Gauge Fabric, Add	7.93	
For 1" Mesh Fabric, Add	7.43	
For 1-3/4" Mesh Fabric, Add	2.97	
For 2-1/8" Mesh Fabric, Deduct	-1.49	
For 2-3/8" Mesh Fabric, Deduct	-1.98	
32 31 13 00-0159 SF >16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	1.33	0.33
For 2 Oz Galvanized Coating, Add	0.16	
For 13 Gauge Fabric, Deduct	-0.28	
For 11 Gauge Fabric, Deduct	-0.16	
For 6 Gauge Fabric, Add	0.50	
For 1" Mesh Fabric, Add	0.47	
For 1-3/4" Mesh Fabric, Add	0.19	
For 2-1/8" Mesh Fabric, Deduct	-0.09	
For 2-3/8" Mesh Fabric, Deduct	-0.12	
32 31 13 00-0160 Fabric, Vinyl Coated Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0161 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	8.92	1.40
For 13 Gauge Fabric, Deduct	-1.65	
For 11 Gauge Fabric, Deduct	-0.92	
For 6 Gauge Fabric, Add	2.93	
For 1" Mesh Fabric, Add	2.75	
For 1-3/4" Mesh Fabric, Add	1.10	
For 2-1/8" Mesh Fabric, Deduct	-0.55	
For 2-3/8" Mesh Fabric, Deduct	-0.73	
For Aluminum Coated, Add	1.46	
32 31 13 00-0162 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	10.17	2.11
For 13 Gauge Fabric, Deduct	-2.06	
For 11 Gauge Fabric, Deduct	-1.14	
For 6 Gauge Fabric, Add	3.66	
For 1" Mesh Fabric, Add	3.43	
For 1-3/4" Mesh Fabric, Add	1.37	
For 2-1/8" Mesh Fabric, Deduct	-0.69	
For 2-3/8" Mesh Fabric, Deduct	-0.91	
For Aluminum Coated, Add	1.83	
32 31 13 00-0163 LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	12.41	2.45
For 13 Gauge Fabric, Deduct	-2.88	
For 11 Gauge Fabric, Deduct	-1.60	
For 6 Gauge Fabric, Add	5.13	
For 1" Mesh Fabric, Add	4.81	
For 1-3/4" Mesh Fabric, Add	1.92	
For 2-1/8" Mesh Fabric, Deduct	-0.96	
For 2-3/8" Mesh Fabric, Deduct	-1.28	
For Aluminum Coated, Add	2.56	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0164	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	13.93 -3.36 -1.87 5.97 5.60 2.24 -1.12 -1.49 2.98	2.80
32 31	13 00-0165	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	15.59 -3.87 -2.15 6.87 6.44 2.58 -1.29 -1.72 3.44	3.51
32 31	13 00-0166	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	18.43 -4.82 -2.68 8.56 8.03 3.21 -1.61 -2.14 4.28	3.85
32 31	13 00-0167	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	20.10 -5.27 -2.93 9.36 8.78 3.51 -1.76 -2.34 4.68	4.20
32 31	13 00-0168	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	22.70 -5.80 -3.22 10.30 9.66 3.86 -1.93 -2.58 5.15	4.91
32 31	13 00-0169	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	25.33 -6.35 -3.53 11.29 10.58 4.23 -2.12 -2.82 5.64	5.60
32 31	13 00-0170	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	1.59 -0.40 -0.22 0.70 0.66 0.26 -0.13 -0.18 0.35	0.33
32 31 13 00-0171 Fabric, Aluminized Steel Chain Link <small>(32 31 13 00-0146)</small>					
32 31	13 00-0172	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	6.63 1.66 2.18	1.40
32 31	13 00-0173	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	7.33 1.94 2.54	1.57
32 31	13 00-0174	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.03 2.22 2.91	1.75
32 31	13 00-0175	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.06 2.77 3.63	2.11
32 31	13 00-0176	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.13 3.30 4.34	2.45
32 31	13 00-0177	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.30 3.86 5.07	2.80

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0178 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.52 4.42 5.80	3.51
32 31 13 00-0179 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.63 5.52 7.25	3.85
32 31 13 00-0180 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.68 6.62 8.69	4.20
32 31 13 00-0181 Fabric, All Aluminum Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0182 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.99 4.35 5.71	1.40
32 31 13 00-0183 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.25 5.07 6.66	1.57
32 31 13 00-0184 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.51 5.80 7.61	1.75
32 31 13 00-0185 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.66 7.25 9.51	2.11
32 31 13 00-0186 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.88 8.70 11.42	2.45
32 31 13 00-0187 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.16 10.15 13.32	2.80
32 31 13 00-0188 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.50 11.60 15.23	3.51
32 31 13 00-0189 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	25.85 14.50 19.03	3.85
32 31 13 00-0190 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.15 17.40 22.84	4.20
32 31 13 00-0191 Fence Inserts <small>(32 31 13 00-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 00-0192 Vinyl Plastic Fence Inserts <small>(32 31 13 00-0191)</small> Note: Assorted colors.		
32 31 13 00-0193 LF 3' High Fence, Vinyl Plastic Fence Insert.....	5.46	
32 31 13 00-0194 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	6.27	
32 31 13 00-0195 LF 4' High Fence, Vinyl Plastic Fence Insert.....	6.92	
32 31 13 00-0196 LF 5' High Fence, Vinyl Plastic Fence Insert.....	8.67	
32 31 13 00-0197 LF 6' High Fence, Vinyl Plastic Fence Insert.....	10.39	
32 31 13 00-0198 LF 7' High Fence, Vinyl Plastic Fence Insert.....	12.14	
32 31 13 00-0199 LF 8' High Fence, Vinyl Plastic Fence Insert.....	13.84	
32 31 13 00-0200 LF 10' High Fence, Vinyl Plastic Fence Insert.....	16.27	
32 31 13 00-0201 Aluminum Fence Inserts <small>(32 31 13 00-0191)</small> Note: Assorted colors.		
32 31 13 00-0202 LF 3' High Fence, Aluminum Fence Insert.....	11.76	
32 31 13 00-0203 LF 3-1/2' High Fence, Aluminum Fence Insert.....	13.02	
32 31 13 00-0204 LF 4' High Fence, Aluminum Fence Insert.....	15.27	
32 31 13 00-0205 LF 5' High Fence, Aluminum Fence Insert.....	19.13	
32 31 13 00-0206 LF 6' High Fence, Aluminum Fence Insert.....	22.95	
32 31 13 00-0207 LF 7' High Fence, Aluminum Fence Insert.....	25.49	
32 31 13 00-0208 LF 8' High Fence, Aluminum Fence Insert.....	30.59	
32 31 13 00-0209 LF 10' High Fence, Aluminum Fence Insert.....	37.26	
32 31 13 00-0210 Redwood Fence Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0211 LF 4' High Fence, Redwood Fence Insert.....	10.43	
32 31 13 00-0212 LF 5' High Fence, Redwood Fence Insert.....	13.20	
32 31 13 00-0213 LF 6' High Fence, Redwood Fence Insert.....	15.85	
32 31 13 00-0214 LF 7' High Fence, Redwood Fence Insert.....	18.45	
32 31 13 00-0215 LF 8' High Fence, Redwood Fence Insert.....	21.11	
32 31 13 00-0216 Diagonal Flexible Polyethylene Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0217 SF Diagonal Polyethylene Fence Weave.....	2.30	
32 31 13 00-0218 Hedge Link Fence Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0219 LF 3' High Fence, Hedge Link Fence Insert.....	11.66	
32 31 13 00-0220 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	13.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0221 LF 4' High Fence, Hedge Link Fence Insert.....	15.73	
32 31 13 00-0222 LF 5' High Fence, Hedge Link Fence Insert.....	19.45	
32 31 13 00-0223 LF 6' High Fence, Hedge Link Fence Insert.....	22.41	
32 31 13 00-0224 LF 7' High Fence, Hedge Link Fence Insert.....	27.97	
32 31 13 00-0225 LF 8' High Fence, Hedge Link Fence Insert.....	31.79	
32 31 13 00-0226 LF 10' High Fence, Hedge Link Fence Insert.....	37.81	
32 31 13 00-0227 LF 12' High Fence, Hedge Link Fence Insert.....	43.33	
32 31 13 00-0228 Fence Windscreen Fabric <small>(32 31 13 00-0146)</small>		
<i>Note: Includes plastic wire clips.</i>		
32 31 13 00-0229 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.74	
<i>For Sewn Boxed Vent (Each), Add</i>	13.59	
<i>For Welded Boxed Vent (Each), Add</i>	6.79	
<i>For 4' x 4' One Color Logo (Each), Add</i>	283.02	
32 31 13 00-0230 Non-Climbable Fabric, Galvanized Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0231 LF 3' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	16.57	1.40
<i>For 11 Gauge, Deduct</i>	-2.40	
<i>For 10 Gauge, Deduct</i>	-0.96	
<i>For 7 Gauge, Add</i>	1.44	
<i>For 6 Gauge, Add</i>	3.37	
<i>For 1/2" Mesh Fabric, Deduct</i>	-0.60	
<i>For 5/8" Mesh Fabric, Deduct</i>	-1.32	
<i>For 3/4" Mesh Fabric, Deduct</i>	-1.92	
32 31 13 00-0232 LF 3'-6" Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	18.93	1.57
<i>For 11 Gauge, Deduct</i>	-2.80	
<i>For 10 Gauge, Deduct</i>	-1.12	
<i>For 7 Gauge, Add</i>	1.68	
<i>For 6 Gauge, Add</i>	3.93	
<i>For 1/2" Mesh Fabric, Deduct</i>	-0.70	
<i>For 5/8" Mesh Fabric, Deduct</i>	-1.54	
<i>For 3/4" Mesh Fabric, Deduct</i>	-2.24	
32 31 13 00-0233 LF 4' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	21.30	1.75
<i>For 11 Gauge, Deduct</i>	-3.21	
<i>For 10 Gauge, Deduct</i>	-1.28	
<i>For 7 Gauge, Add</i>	1.92	
<i>For 6 Gauge, Add</i>	4.49	
<i>For 1/2" Mesh Fabric, Deduct</i>	-0.80	
<i>For 5/8" Mesh Fabric, Deduct</i>	-1.76	
<i>For 3/4" Mesh Fabric, Deduct</i>	-2.57	
32 31 13 00-0234 LF 5' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	25.63	2.11
<i>For 11 Gauge, Deduct</i>	-4.01	
<i>For 10 Gauge, Deduct</i>	-1.60	
<i>For 7 Gauge, Add</i>	2.40	
<i>For 6 Gauge, Add</i>	5.61	
<i>For 1/2" Mesh Fabric, Deduct</i>	-1.00	
<i>For 5/8" Mesh Fabric, Deduct</i>	-2.20	
<i>For 3/4" Mesh Fabric, Deduct</i>	-3.20	
32 31 13 00-0235 LF 6' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	30.03	2.45
<i>For 11 Gauge, Deduct</i>	-4.81	
<i>For 10 Gauge, Deduct</i>	-1.92	
<i>For 7 Gauge, Add</i>	2.88	
<i>For 6 Gauge, Add</i>	6.73	
<i>For 1/2" Mesh Fabric, Deduct</i>	-1.20	
<i>For 5/8" Mesh Fabric, Deduct</i>	-2.64	
<i>For 3/4" Mesh Fabric, Deduct</i>	-3.84	
32 31 13 00-0236 LF 7' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	34.51	2.80
<i>For 11 Gauge, Deduct</i>	-5.61	
<i>For 10 Gauge, Deduct</i>	-2.24	
<i>For 7 Gauge, Add</i>	3.36	
<i>For 6 Gauge, Add</i>	7.85	
<i>For 1/2" Mesh Fabric, Deduct</i>	-1.40	
<i>For 5/8" Mesh Fabric, Deduct</i>	-3.08	
<i>For 3/4" Mesh Fabric, Deduct</i>	-4.49	
32 31 13 00-0237 LF 8' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	39.05	3.51
<i>For 11 Gauge, Deduct</i>	-6.41	
<i>For 10 Gauge, Deduct</i>	-2.56	
<i>For 7 Gauge, Add</i>	3.85	
<i>For 6 Gauge, Add</i>	8.97	
<i>For 1/2" Mesh Fabric, Deduct</i>	-1.60	
<i>For 5/8" Mesh Fabric, Deduct</i>	-3.53	
<i>For 3/4" Mesh Fabric, Deduct</i>	-5.13	
32 31 13 00-0238 LF 9' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	43.04	3.68
<i>For 11 Gauge, Deduct</i>	-7.14	
<i>For 10 Gauge, Deduct</i>	-2.85	
<i>For 7 Gauge, Add</i>	4.28	
<i>For 6 Gauge, Add</i>	9.99	
<i>For 1/2" Mesh Fabric, Deduct</i>	-1.78	
<i>For 5/8" Mesh Fabric, Deduct</i>	-3.92	
<i>For 3/4" Mesh Fabric, Deduct</i>	-5.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0239 LF 10' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	47.03	3.85
For 11 Gauge, Deduct	-7.86	
For 10 Gauge, Deduct	-3.14	
For 7 Gauge, Add	4.72	
For 6 Gauge, Add	11.00	
For 1/2" Mesh Fabric, Deduct	-1.97	
For 5/8" Mesh Fabric, Deduct	-4.32	
For 3/4" Mesh Fabric, Deduct	-6.29	
32 31 13 00-0240 LF 12' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	51.00	4.20
For 11 Gauge, Deduct	-8.52	
For 10 Gauge, Deduct	-3.41	
For 7 Gauge, Add	5.11	
For 6 Gauge, Add	11.93	
For 1/2" Mesh Fabric, Deduct	-2.13	
For 5/8" Mesh Fabric, Deduct	-4.69	
For 3/4" Mesh Fabric, Deduct	-6.82	
32 31 13 00-0241 Gates <small>(32 31 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be).		
32 31 13 00-0242 Galvanized Steel Without Barbed Wire <small>(32 31 13 00-0241)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 00-0243 4' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0244 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	162.43	17.97
For Gate With Single Barb Wire Arm, Add	11.69	
For Gate With Double Barb Wire Arm, Add	17.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-19.93	
For Aluminized Steel Gate And Post, Add	51.01	
For Powder Coated Gate And Post, Add	27.63	
32 31 13 00-0245 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	197.86	18.71
For Gate With Single Barb Wire Arm, Add	15.59	
For Gate With Double Barb Wire Arm, Add	22.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.57	
For Aluminized Steel Gate And Post, Add	68.02	
For Powder Coated Gate And Post, Add	36.84	
32 31 13 00-0246 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	230.99	19.92
For Gate With Single Barb Wire Arm, Add	18.82	
For Gate With Double Barb Wire Arm, Add	27.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.08	
For Aluminized Steel Gate And Post, Add	82.12	
For Powder Coated Gate And Post, Add	44.48	
32 31 13 00-0247 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	272.36	23.96
For Gate With Single Barb Wire Arm, Add	22.05	
For Gate With Double Barb Wire Arm, Add	32.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.59	
For Aluminized Steel Gate And Post, Add	96.23	
For Powder Coated Gate And Post, Add	52.12	
32 31 13 00-0248 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	313.72	27.92
For Gate With Single Barb Wire Arm, Add	25.28	
For Gate With Double Barb Wire Arm, Add	36.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.10	
For Aluminized Steel Gate And Post, Add	110.33	
For Powder Coated Gate And Post, Add	59.76	
32 31 13 00-0249 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	356.28	31.90
For Gate With Single Barb Wire Arm, Add	28.65	
For Gate With Double Barb Wire Arm, Add	41.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.83	
For Aluminized Steel Gate And Post, Add	125.01	
For Powder Coated Gate And Post, Add	67.71	
32 31 13 00-0250 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	397.63	35.94
For Gate With Single Barb Wire Arm, Add	31.88	
For Gate With Double Barb Wire Arm, Add	46.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.34	
For Aluminized Steel Gate And Post, Add	139.11	
For Powder Coated Gate And Post, Add	75.35	
32 31 13 00-0251 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	439.51	39.91
For Gate With Single Barb Wire Arm, Add	35.17	
For Gate With Double Barb Wire Arm, Add	51.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.95	
For Aluminized Steel Gate And Post, Add	153.47	
For Powder Coated Gate And Post, Add	83.13	
32 31 13 00-0252 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	544.94	39.91
For Gate With Single Barb Wire Arm, Add	46.77	
For Gate With Double Barb Wire Arm, Add	68.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.71	
For Aluminized Steel Gate And Post, Add	204.07	
For Powder Coated Gate And Post, Add	110.54	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0253	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	638.52	42.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	56.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	81.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-95.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	244.88	
			<i>For Powder Coated Gate And Post, Add</i>	132.64	
32 31	13 00-0254	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	733.42	46.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	65.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	95.23	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-111.60	
			<i>For Aluminized Steel Gate And Post, Add</i>	285.69	
			<i>For Powder Coated Gate And Post, Add</i>	154.75	
32 31	13 00-0255	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	829.98	49.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	108.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-127.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	326.51	
			<i>For Powder Coated Gate And Post, Add</i>	176.86	
32 31	13 00-0256	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	945.73	60.06
			<i>For Gate With Single Barb Wire Arm, Add</i>	84.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	122.44	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-143.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	367.32	
			<i>For Powder Coated Gate And Post, Add</i>	198.97	
32 31	13 00-0257	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,043.64	64.38
			<i>For Gate With Single Barb Wire Arm, Add</i>	93.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	136.04	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-159.43	
			<i>For Aluminized Steel Gate And Post, Add</i>	408.13	
			<i>For Powder Coated Gate And Post, Add</i>	221.07	
32 31	13 00-0258	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,141.48	69.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
			<i>For Aluminized Steel Gate And Post, Add</i>	447.95	
			<i>For Powder Coated Gate And Post, Add</i>	242.64	
32 31	13 00-0259	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,241.78	75.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.77	
			<i>For Powder Coated Gate And Post, Add</i>	264.21	
32 31	13 00-0260	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,345.25	81.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.86	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-206.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	527.59	
			<i>For Powder Coated Gate And Post, Add</i>	285.78	
32 31	13 00-0261	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,421.70	90.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	184.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.81	
			<i>For Aluminized Steel Gate And Post, Add</i>	552.47	
			<i>For Powder Coated Gate And Post, Add</i>	299.25	
32 31	13 00-0262	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,576.20	100.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	140.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	204.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-239.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	612.20	
			<i>For Powder Coated Gate And Post, Add</i>	331.61	
32 31	13 00-0263		5' Fence Height <small>(32 31 13 00-0242)</small>		
32 31	13 00-0264	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	191.24	19.92
			<i>For Gate With Single Barb Wire Arm, Add</i>	14.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	21.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	63.04	
			<i>For Powder Coated Gate And Post, Add</i>	34.15	
32 31	13 00-0265	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	234.45	19.92
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	27.93	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	83.78	
			<i>For Powder Coated Gate And Post, Add</i>	45.38	
32 31	13 00-0266	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	271.04	21.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	33.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.88	
			<i>For Aluminized Steel Gate And Post, Add</i>	99.54	
			<i>For Powder Coated Gate And Post, Add</i>	53.92	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0267	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	318.33	25.45
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	116.14	
			<i>For Powder Coated Gate And Post, Add</i>	62.91	
32 31	13 00-0268	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	362.16	29.65
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	43.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	131.07	
			<i>For Powder Coated Gate And Post, Add</i>	71.00	
32 31	13 00-0269	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	410.21	34.14
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	49.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	147.66	
			<i>For Powder Coated Gate And Post, Add</i>	79.98	
32 31	13 00-0270	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	455.77	38.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.84	
			<i>For Aluminized Steel Gate And Post, Add</i>	163.42	
			<i>For Powder Coated Gate And Post, Add</i>	88.52	
32 31	13 00-0271	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	501.33	42.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	59.73	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.99	
			<i>For Aluminized Steel Gate And Post, Add</i>	179.18	
			<i>For Powder Coated Gate And Post, Add</i>	97.06	
32 31	13 00-0272	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	655.12	42.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	84.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	252.84	
			<i>For Powder Coated Gate And Post, Add</i>	136.96	
32 31	13 00-0273	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	770.75	46.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	69.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	101.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.60	
			<i>For Aluminized Steel Gate And Post, Add</i>	303.61	
			<i>For Powder Coated Gate And Post, Add</i>	164.46	
32 31	13 00-0274	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	888.05	49.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.43	
			<i>For Aluminized Steel Gate And Post, Add</i>	354.38	
			<i>For Powder Coated Gate And Post, Add</i>	191.96	
32 31	13 00-0275	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,024.53	60.06
			<i>For Gate With Single Barb Wire Arm, Add</i>	92.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	135.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.26	
			<i>For Aluminized Steel Gate And Post, Add</i>	405.14	
			<i>For Powder Coated Gate And Post, Add</i>	219.45	
32 31	13 00-0276	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,141.11	64.38
			<i>For Gate With Single Barb Wire Arm, Add</i>	104.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	151.64	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-177.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	454.92	
			<i>For Powder Coated Gate And Post, Add</i>	246.41	
32 31	13 00-0277	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,263.83	69.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	116.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	168.89	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-197.92	
			<i>For Aluminized Steel Gate And Post, Add</i>	506.68	
			<i>For Powder Coated Gate And Post, Add</i>	274.45	
32 31	13 00-0278	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,386.95	75.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	127.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	185.82	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-217.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	557.45	
			<i>For Powder Coated Gate And Post, Add</i>	301.95	
32 31	13 00-0279	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,511.15	81.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	139.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	202.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-237.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	607.22	
			<i>For Powder Coated Gate And Post, Add</i>	328.91	
32 31	13 00-0280	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,643.60	90.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	151.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	219.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-257.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	658.98	
			<i>For Powder Coated Gate And Post, Add</i>	356.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0281 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,778.13	100.16
For Gate With Single Barb Wire Arm, Add	162.51	
For Gate With Double Barb Wire Arm, Add	236.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-277.00	
For Aluminized Steel Gate And Post, Add	709.12	
For Powder Coated Gate And Post, Add	384.11	
32 31 13 00-0282 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,918.66	112.68
For Gate With Single Barb Wire Arm, Add	173.83	
For Gate With Double Barb Wire Arm, Add	252.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-296.30	
For Aluminized Steel Gate And Post, Add	758.53	
For Powder Coated Gate And Post, Add	410.87	
32 31 13 00-0283 6' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0284 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	205.03	21.34
For Gate With Single Barb Wire Arm, Add	15.49	
For Gate With Double Barb Wire Arm, Add	22.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.41	
For Aluminized Steel Gate And Post, Add	67.61	
For Powder Coated Gate And Post, Add	36.62	
32 31 13 00-0285 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	251.69	21.34
For Gate With Single Barb Wire Arm, Add	20.63	
For Gate With Double Barb Wire Arm, Add	30.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.16	
For Aluminized Steel Gate And Post, Add	90.00	
For Powder Coated Gate And Post, Add	48.75	
32 31 13 00-0286 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	291.34	22.69
For Gate With Single Barb Wire Arm, Add	24.55	
For Gate With Double Barb Wire Arm, Add	35.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.85	
For Aluminized Steel Gate And Post, Add	107.14	
For Powder Coated Gate And Post, Add	58.03	
32 31 13 00-0287 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	339.86	27.40
For Gate With Single Barb Wire Arm, Add	28.33	
For Gate With Double Barb Wire Arm, Add	41.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.28	
For Aluminized Steel Gate And Post, Add	123.60	
For Powder Coated Gate And Post, Add	66.95	
32 31 13 00-0288 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	390.37	32.20
For Gate With Single Barb Wire Arm, Add	32.32	
For Gate With Double Barb Wire Arm, Add	47.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
For Aluminized Steel Gate And Post, Add	141.02	
For Powder Coated Gate And Post, Add	76.39	
32 31 13 00-0289 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	438.42	36.69
For Gate With Single Barb Wire Arm, Add	36.12	
For Gate With Double Barb Wire Arm, Add	52.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.57	
For Aluminized Steel Gate And Post, Add	157.61	
For Powder Coated Gate And Post, Add	85.37	
32 31 13 00-0290 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	487.21	41.40
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Aluminized Steel Gate And Post, Add	174.20	
For Powder Coated Gate And Post, Add	94.36	
32 31 13 00-0291 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	520.44	46.12
For Gate With Single Barb Wire Arm, Add	42.01	
For Gate With Double Barb Wire Arm, Add	61.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.61	
For Aluminized Steel Gate And Post, Add	183.33	
For Powder Coated Gate And Post, Add	99.30	
32 31 13 00-0292 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	700.24	46.05
For Gate With Single Barb Wire Arm, Add	61.82	
For Gate With Double Barb Wire Arm, Add	89.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.38	
For Aluminized Steel Gate And Post, Add	269.76	
For Powder Coated Gate And Post, Add	146.12	
32 31 13 00-0293 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	823.76	49.87
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Aluminized Steel Gate And Post, Add	323.52	
For Powder Coated Gate And Post, Add	175.24	
32 31 13 00-0294 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	981.43	64.38
For Gate With Single Barb Wire Arm, Add	86.69	
For Gate With Double Barb Wire Arm, Add	126.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-147.76	
For Aluminized Steel Gate And Post, Add	378.27	
For Powder Coated Gate And Post, Add	204.90	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0295	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,108.30	69.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	99.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	144.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	432.02	
			<i>For Powder Coated Gate And Post, Add</i>	234.01	
32 31	13 00-0296	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,239.71	75.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	486.77	
			<i>For Powder Coated Gate And Post, Add</i>	263.67	
32 31	13 00-0297	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,374.28	81.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	124.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	180.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-211.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	541.52	
			<i>For Powder Coated Gate And Post, Add</i>	293.32	
32 31	13 00-0298	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,510.88	90.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	136.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	198.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-232.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	595.28	
			<i>For Powder Coated Gate And Post, Add</i>	322.44	
32 31	13 00-0299	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,653.97	100.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	148.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	216.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-253.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	649.53	
			<i>For Powder Coated Gate And Post, Add</i>	351.83	
32 31	13 00-0300	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,803.35	112.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	161.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	234.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-274.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	703.18	
			<i>For Powder Coated Gate And Post, Add</i>	380.89	
32 31	13 00-0301	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,964.93	128.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-295.91	
			<i>For Aluminized Steel Gate And Post, Add</i>	757.53	
			<i>For Powder Coated Gate And Post, Add</i>	410.33	
32 31	13 00-0302	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,142.82	150.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	186.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	270.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-317.18	
			<i>For Aluminized Steel Gate And Post, Add</i>	811.98	
			<i>For Powder Coated Gate And Post, Add</i>	439.82	
32 31	13 00-0303		7' Fence Height <small>(32 31 13 00-0242)</small>		
32 31	13 00-0304	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	216.01	22.99
			<i>For Gate With Single Barb Wire Arm, Add</i>	16.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	23.50	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	70.51	
			<i>For Powder Coated Gate And Post, Add</i>	38.19	
32 31	13 00-0305	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	264.40	22.99
			<i>For Gate With Single Barb Wire Arm, Add</i>	21.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	31.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	93.74	
			<i>For Powder Coated Gate And Post, Add</i>	50.78	
32 31	13 00-0306	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	307.11	24.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	37.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.97	
			<i>For Aluminized Steel Gate And Post, Add</i>	112.55	
			<i>For Powder Coated Gate And Post, Add</i>	60.96	
32 31	13 00-0307	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	376.06	29.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	138.10	
			<i>For Powder Coated Gate And Post, Add</i>	74.80	
32 31	13 00-0308	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	444.28	34.45
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	163.66	
			<i>For Powder Coated Gate And Post, Add</i>	88.65	



Exterior Improvements	32
Site Improvements	32 30
Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0309 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	513.24	39.61
For Gate With Single Barb Wire Arm, Add	43.36	
For Gate With Double Barb Wire Arm, Add	63.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.91	
For Aluminized Steel Gate And Post, Add	189.21	
For Powder Coated Gate And Post, Add	102.49	
32 31 13 00-0310 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	581.45	44.63
For Gate With Single Barb Wire Arm, Add	49.22	
For Gate With Double Barb Wire Arm, Add	71.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
For Aluminized Steel Gate And Post, Add	214.77	
For Powder Coated Gate And Post, Add	116.33	
32 31 13 00-0311 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	640.83	49.87
For Gate With Single Barb Wire Arm, Add	54.02	
For Gate With Double Barb Wire Arm, Add	78.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.08	
For Aluminized Steel Gate And Post, Add	235.71	
For Powder Coated Gate And Post, Add	127.68	
32 31 13 00-0312 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	794.35	49.87
For Gate With Single Barb Wire Arm, Add	70.90	
For Gate With Double Barb Wire Arm, Add	103.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.86	
For Aluminized Steel Gate And Post, Add	309.40	
For Powder Coated Gate And Post, Add	167.59	
32 31 13 00-0313 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	910.10	64.38
For Gate With Single Barb Wire Arm, Add	78.84	
For Gate With Double Barb Wire Arm, Add	114.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.39	
For Aluminized Steel Gate And Post, Add	344.03	
For Powder Coated Gate And Post, Add	186.35	
32 31 13 00-0314 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,044.44	69.37
For Gate With Single Barb Wire Arm, Add	91.98	
For Gate With Double Barb Wire Arm, Add	133.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.79	
For Aluminized Steel Gate And Post, Add	401.37	
For Powder Coated Gate And Post, Add	217.41	
32 31 13 00-0315 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,171.27	75.12
For Gate With Single Barb Wire Arm, Add	104.02	
For Gate With Double Barb Wire Arm, Add	151.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.31	
For Aluminized Steel Gate And Post, Add	453.92	
For Powder Coated Gate And Post, Add	245.87	
32 31 13 00-0316 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,312.06	81.98
For Gate With Single Barb Wire Arm, Add	117.25	
For Gate With Double Barb Wire Arm, Add	170.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.87	
For Aluminized Steel Gate And Post, Add	511.66	
For Powder Coated Gate And Post, Add	277.15	
32 31 13 00-0317 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,454.88	90.18
For Gate With Single Barb Wire Arm, Add	130.26	
For Gate With Double Barb Wire Arm, Add	189.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.03	
For Aluminized Steel Gate And Post, Add	568.40	
For Powder Coated Gate And Post, Add	307.88	
32 31 13 00-0318 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,603.16	100.16
For Gate With Single Barb Wire Arm, Add	143.26	
For Gate With Double Barb Wire Arm, Add	208.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.19	
For Aluminized Steel Gate And Post, Add	625.14	
For Powder Coated Gate And Post, Add	338.62	
32 31 13 00-0319 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,758.97	112.68
For Gate With Single Barb Wire Arm, Add	156.26	
For Gate With Double Barb Wire Arm, Add	227.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.36	
For Aluminized Steel Gate And Post, Add	681.88	
For Powder Coated Gate And Post, Add	369.35	
32 31 13 00-0320 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,925.53	128.76
For Gate With Single Barb Wire Arm, Add	169.27	
For Gate With Double Barb Wire Arm, Add	246.21	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.52	
For Aluminized Steel Gate And Post, Add	738.62	
For Powder Coated Gate And Post, Add	400.09	
32 31 13 00-0321 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,108.19	150.25
For Gate With Single Barb Wire Arm, Add	182.27	
For Gate With Double Barb Wire Arm, Add	265.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.69	
For Aluminized Steel Gate And Post, Add	795.36	
For Powder Coated Gate And Post, Add	430.82	
32 31 13 00-0322 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,316.65	180.28
For Gate With Single Barb Wire Arm, Add	195.27	
For Gate With Double Barb Wire Arm, Add	284.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.85	
For Aluminized Steel Gate And Post, Add	852.10	
For Powder Coated Gate And Post, Add	461.55	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0323			8' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0324	EA		3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	250.32	24.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	28.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	84.21	
			<i>For Powder Coated Gate And Post, Add</i>	45.61	
32 31 13 00-0325	EA		4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	308.80	24.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	37.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	112.28	
			<i>For Powder Coated Gate And Post, Add</i>	60.82	
32 31 13 00-0326	EA		5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	358.60	27.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	44.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.58	
			<i>For Aluminized Steel Gate And Post, Add</i>	132.05	
			<i>For Powder Coated Gate And Post, Add</i>	71.53	
32 31 13 00-0327	EA		6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	410.65	31.45
			<i>For Gate With Single Barb Wire Arm, Add</i>	34.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	50.61	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	151.83	
			<i>For Powder Coated Gate And Post, Add</i>	82.24	
32 31 13 00-0328	EA		7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	471.32	37.89
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-67.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	171.60	
			<i>For Powder Coated Gate And Post, Add</i>	92.95	
32 31 13 00-0329	EA		8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	531.24	44.10
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	191.38	
			<i>For Powder Coated Gate And Post, Add</i>	103.66	
32 31 13 00-0330	EA		9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	591.91	50.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	48.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	70.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-82.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	211.16	
			<i>For Powder Coated Gate And Post, Add</i>	114.38	
32 31 13 00-0331	EA		10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	652.57	57.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	76.98	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.21	
			<i>For Aluminized Steel Gate And Post, Add</i>	230.93	
			<i>For Powder Coated Gate And Post, Add</i>	125.09	
32 31 13 00-0332	EA		10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	915.05	64.38
			<i>For Gate With Single Barb Wire Arm, Add</i>	79.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	115.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-135.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	346.41	
			<i>For Powder Coated Gate And Post, Add</i>	187.64	
32 31 13 00-0333	EA		12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,068.89	69.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	94.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	137.70	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-161.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	413.11	
			<i>For Powder Coated Gate And Post, Add</i>	223.77	
32 31 13 00-0334	EA		14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,227.26	75.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	110.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	160.27	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-187.81	
			<i>For Aluminized Steel Gate And Post, Add</i>	480.80	
			<i>For Powder Coated Gate And Post, Add</i>	260.43	
32 31 13 00-0335	EA		16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,392.94	81.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	183.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	550.48	
			<i>For Powder Coated Gate And Post, Add</i>	298.18	
32 31 13 00-0336	EA		18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,562.72	90.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	142.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	206.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-242.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	620.16	
			<i>For Powder Coated Gate And Post, Add</i>	335.92	
32 31 13 00-0337	EA		20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,735.89	100.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	157.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	229.62	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-269.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	688.85	
			<i>For Powder Coated Gate And Post, Add</i>	373.13	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0338	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,914.51 173.37 252.18 -295.52 756.54 409.79	112.68
32 31	13 00-0339	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,108.03 189.34 275.41 -322.74 826.22 447.54	128.76
32 31	13 00-0340	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,317.65 205.31 298.63 -349.96 895.90 485.28	150.25
32 31	13 00-0341	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,550.99 221.05 321.53 -376.79 964.58 522.48	180.28
32 31	13 00-0342	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,829.45 236.79 344.42 -403.62 1,033.27 559.69	225.37
32 31 13 00-0343 10' Fence Height (32 31 13 00-0242)					
32 31	13 00-0344	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	310.06 24.95 36.30 -42.54 108.89 58.98	27.70
32 31	13 00-0345	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	385.69 33.27 48.40 -56.72 145.20 78.65	27.70
32 31	13 00-0346	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	442.62 39.13 56.92 -66.71 170.77 92.50	28.91
32 31	13 00-0347	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	516.86 45.00 65.45 -76.70 196.34 106.35	35.94
32 31	13 00-0348	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	590.67 50.85 73.97 -86.68 221.91 120.20	42.61
32 31	13 00-0349	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	664.59 56.71 82.49 -96.67 247.48 134.05	49.64
32 31	13 00-0350	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	738.08 62.58 91.02 -106.66 273.06 147.91	56.38
32 31	13 00-0351	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	812.34 68.44 99.54 -116.65 298.63 161.76	63.34

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0352 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,148.07	71.57
For Gate With Single Barb Wire Arm, Add	102.65	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 00-0353 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,247.50	76.98
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.54	
For Aluminized Steel Gate And Post, Add	487.78	
For Powder Coated Gate And Post, Add	264.21	
32 31 13 00-0354 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,416.17	83.50
For Gate With Single Barb Wire Arm, Add	128.21	
For Gate With Double Barb Wire Arm, Add	186.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-218.53	
For Aluminized Steel Gate And Post, Add	559.44	
For Powder Coated Gate And Post, Add	303.03	
32 31 13 00-0355 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,604.75	91.03
For Gate With Single Barb Wire Arm, Add	146.46	
For Gate With Double Barb Wire Arm, Add	213.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-249.64	
For Aluminized Steel Gate And Post, Add	639.08	
For Powder Coated Gate And Post, Add	346.17	
32 31 13 00-0356 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,798.10	100.16
For Gate With Single Barb Wire Arm, Add	164.70	
For Gate With Double Barb Wire Arm, Add	239.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-280.75	
For Aluminized Steel Gate And Post, Add	718.71	
For Powder Coated Gate And Post, Add	389.30	
32 31 13 00-0357 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,998.32	111.25
For Gate With Single Barb Wire Arm, Add	183.07	
For Gate With Double Barb Wire Arm, Add	266.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-312.05	
For Aluminized Steel Gate And Post, Add	798.84	
For Powder Coated Gate And Post, Add	432.71	
32 31 13 00-0358 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,207.19	125.21
For Gate With Single Barb Wire Arm, Add	201.43	
For Gate With Double Barb Wire Arm, Add	292.99	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.35	
For Aluminized Steel Gate And Post, Add	878.98	
For Powder Coated Gate And Post, Add	476.11	
32 31 13 00-0359 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,426.54	142.97
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 00-0360 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,664.35	166.92
For Gate With Single Barb Wire Arm, Add	237.93	
For Gate With Double Barb Wire Arm, Add	346.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-405.57	
For Aluminized Steel Gate And Post, Add	1,038.25	
For Powder Coated Gate And Post, Add	562.39	
32 31 13 00-0361 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,929.98	200.16
For Gate With Single Barb Wire Arm, Add	256.18	
For Gate With Double Barb Wire Arm, Add	372.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-436.67	
For Aluminized Steel Gate And Post, Add	1,117.88	
For Powder Coated Gate And Post, Add	605.52	
32 31 13 00-0362 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,248.90	250.42
For Gate With Single Barb Wire Arm, Add	274.66	
For Gate With Double Barb Wire Arm, Add	399.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-468.17	
For Aluminized Steel Gate And Post, Add	1,198.51	
For Powder Coated Gate And Post, Add	649.19	
32 31 13 00-0363 12' Fence Height <small>(32 31 13 00-02-42)</small>		
32 31 13 00-0364 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	382.83	30.77
For Gate With Single Barb Wire Arm, Add	31.94	
For Gate With Double Barb Wire Arm, Add	46.46	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.45	
For Aluminized Steel Gate And Post, Add	139.39	
For Powder Coated Gate And Post, Add	75.50	
32 31 13 00-0365 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	479.62	30.77
For Gate With Single Barb Wire Arm, Add	42.59	
For Gate With Double Barb Wire Arm, Add	61.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.60	
For Aluminized Steel Gate And Post, Add	185.85	
For Powder Coated Gate And Post, Add	100.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0366 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	551.22	31.90
For Gate With Single Barb Wire Arm, Add	50.09	
For Gate With Double Barb Wire Arm, Add	72.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.38	
For Aluminized Steel Gate And Post, Add	218.58	
For Powder Coated Gate And Post, Add	118.40	
32 31 13 00-0367 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	642.63	39.61
For Gate With Single Barb Wire Arm, Add	57.59	
For Gate With Double Barb Wire Arm, Add	83.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.17	
For Aluminized Steel Gate And Post, Add	251.32	
For Powder Coated Gate And Post, Add	136.13	
32 31 13 00-0368 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	734.02	47.39
For Gate With Single Barb Wire Arm, Add	65.09	
For Gate With Double Barb Wire Arm, Add	94.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.95	
For Aluminized Steel Gate And Post, Add	284.04	
For Powder Coated Gate And Post, Add	153.86	
32 31 13 00-0369 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	824.68	54.89
For Gate With Single Barb Wire Arm, Add	72.59	
For Gate With Double Barb Wire Arm, Add	105.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.74	
For Aluminized Steel Gate And Post, Add	316.78	
For Powder Coated Gate And Post, Add	171.59	
32 31 13 00-0370 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	916.08	62.60
For Gate With Single Barb Wire Arm, Add	80.10	
For Gate With Double Barb Wire Arm, Add	116.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.53	
For Aluminized Steel Gate And Post, Add	349.51	
For Powder Coated Gate And Post, Add	189.32	
32 31 13 00-0371 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,007.50	70.31
For Gate With Single Barb Wire Arm, Add	87.60	
For Gate With Double Barb Wire Arm, Add	127.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.31	
For Aluminized Steel Gate And Post, Add	382.24	
For Powder Coated Gate And Post, Add	207.05	
32 31 13 00-0372 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,348.22	79.52
For Gate With Single Barb Wire Arm, Add	122.05	
For Gate With Double Barb Wire Arm, Add	177.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.03	
For Aluminized Steel Gate And Post, Add	532.56	
For Powder Coated Gate And Post, Add	288.47	
32 31 13 00-0373 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,476.37	85.61
For Gate With Single Barb Wire Arm, Add	134.14	
For Gate With Double Barb Wire Arm, Add	195.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.64	
For Aluminized Steel Gate And Post, Add	585.32	
For Powder Coated Gate And Post, Add	317.05	
32 31 13 00-0374 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,676.29	92.72
For Gate With Single Barb Wire Arm, Add	153.75	
For Gate With Double Barb Wire Arm, Add	223.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.08	
For Aluminized Steel Gate And Post, Add	670.93	
For Powder Coated Gate And Post, Add	363.42	
32 31 13 00-0375 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,900.63	101.10
For Gate With Single Barb Wire Arm, Add	175.65	
For Gate With Double Barb Wire Arm, Add	255.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.41	
For Aluminized Steel Gate And Post, Add	766.49	
For Powder Coated Gate And Post, Add	415.18	
32 31 13 00-0376 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,130.01	111.33
For Gate With Single Barb Wire Arm, Add	197.55	
For Gate With Double Barb Wire Arm, Add	287.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-336.74	
For Aluminized Steel Gate And Post, Add	862.06	
For Powder Coated Gate And Post, Add	466.95	
32 31 13 00-0377 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,368.16	123.60
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 00-0378 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,613.97	139.08
For Gate With Single Barb Wire Arm, Add	241.58	
For Gate With Double Barb Wire Arm, Add	351.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-411.79	
For Aluminized Steel Gate And Post, Add	1,054.18	
For Powder Coated Gate And Post, Add	571.01	
32 31 13 00-0379 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,874.52	158.88
For Gate With Single Barb Wire Arm, Add	263.71	
For Gate With Double Barb Wire Arm, Add	383.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.51	
For Aluminized Steel Gate And Post, Add	1,150.73	
For Powder Coated Gate And Post, Add	623.31	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0380	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,151.40	185.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	285.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	415.10	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,245.30	
			<i>For Powder Coated Gate And Post, Add</i>	674.54	
32 31	13 00-0381	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,461.30	222.42
			<i>For Gate With Single Barb Wire Arm, Add</i>	307.28	
			<i>For Gate With Double Barb Wire Arm, Add</i>	446.95	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-523.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,340.86	
			<i>For Powder Coated Gate And Post, Add</i>	726.30	
32 31	13 00-0382	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,830.17	278.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	329.41	
			<i>For Gate With Double Barb Wire Arm, Add</i>	479.14	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-561.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,437.42	
			<i>For Powder Coated Gate And Post, Add</i>	778.60	
32 31	13 00-0383		Vinyl Coated Without Barb Wire Arm <small>(32 31 13 00-0241)</small>		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31	13 00-0384		4' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0385	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	194.53	18.71
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-25.95	
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	22.14	
32 31	13 00-0386	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	240.66	18.71
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.60	
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	29.52	
32 31	13 00-0387	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	282.86	19.92
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-41.81	
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	35.67	
32 31	13 00-0388	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	333.27	23.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-49.01	
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.82	
32 31	13 00-0389	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	383.69	27.92
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.22	
			<i>For Gate With Single Barb Wire Arm, Add</i>	32.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	47.97	
32 31	13 00-0390	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	434.12	31.90
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.43	
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.12	
32 31	13 00-0391	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	484.53	35.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.63	
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.27	
32 31	13 00-0392	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	534.95	39.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.84	
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	66.42	
32 31	13 00-0393	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	673.33	39.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-103.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	60.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	88.56	
32 31	13 00-0394	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	792.60	42.76
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-124.55	
			<i>For Gate With Single Barb Wire Arm, Add</i>	73.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	106.28	
32 31	13 00-0395	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	913.18	46.05
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-145.30	
			<i>For Gate With Single Barb Wire Arm, Add</i>	85.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	123.99	
32 31	13 00-0396	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,035.42	49.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-166.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	97.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	141.71	
32 31	13 00-0397	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,176.84	60.06
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-186.82	
			<i>For Gate With Single Barb Wire Arm, Add</i>	109.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	159.42	
32 31	13 00-0398	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,300.44	64.38
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-207.58	
			<i>For Gate With Single Barb Wire Arm, Add</i>	121.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	177.13	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31
			32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0399	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,426.03 -228.33 133.96 194.84	69.37
32 31	13 00-0400	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,554.08 -249.09 146.13 212.56	75.12
32 31	13 00-0401	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,685.30 -269.85 158.31 230.27	81.98
32 31	13 00-0402	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,820.62 -290.61 170.49 247.98	90.18
32 31	13 00-0403	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,961.39 -311.36 182.67 265.70	100.16
32 31	13 00-0404		5' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0405	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	231.38 -32.15 18.86 27.44	19.92
32 31	13 00-0406	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	288.54 -42.87 25.15 36.58	19.92
32 31	13 00-0407	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	335.17 -50.91 29.87 43.44	21.19
32 31	13 00-0408	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	390.75 -58.95 34.58 50.30	25.45
32 31	13 00-0409	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	446.35 -66.98 39.30 57.16	29.65
32 31	13 00-0410	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	502.69 -75.02 44.01 64.02	34.14
32 31	13 00-0411	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	558.30 -83.06 48.73 70.88	38.41
32 31	13 00-0412	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	613.89 -91.10 53.44 77.74	42.61
32 31	13 00-0413	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	814.26 -128.61 75.45 109.74	42.76
32 31	13 00-0414	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	961.31 -154.33 90.54 131.69	46.05
32 31	13 00-0415	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,110.02 -180.05 105.63 153.64	49.87
32 31	13 00-0416	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,277.93 -205.77 120.72 175.59	60.06
32 31	13 00-0417	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,428.00 -231.49 135.81 197.54	64.38
32 31	13 00-0418	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,580.06 -257.21 150.90 219.49	69.37
32 31	13 00-0419	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,734.59 -282.94 165.99 241.44	75.12

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0420	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,892.28 -308.66 181.08 263.39	81.98
32 31	13 00-0421	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,054.07 -334.38 196.17 285.34	90.18
32 31	13 00-0422	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,221.32 -360.10 211.26 307.28	100.16
32 31	13 00-0423	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,396.10 -385.82 226.35 329.23	112.68
32 31 13 00-0424 6' Fence Height (32 31 13 00-0383)					
32 31	13 00-0425	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	247.44 -34.36 20.16 29.32	21.34
32 31	13 00-0426	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	308.52 -45.81 26.88 39.09	21.34
32 31	13 00-0427	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	358.30 -54.41 31.92 46.43	22.69
32 31	13 00-0428	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	418.34 -63.00 36.96 53.76	27.40
32 31	13 00-0429	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	478.38 -71.59 42.00 61.09	32.20
32 31	13 00-0430	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	537.67 -80.18 47.04 68.42	36.69
32 31	13 00-0431	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	597.71 -88.77 52.08 75.75	41.40
32 31	13 00-0432	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	657.76 -97.36 57.12 83.08	46.12
32 31	13 00-0433	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	871.27 -137.45 80.63 117.29	46.05
32 31	13 00-0434	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,029.40 -164.93 96.76 140.74	49.87
32 31	13 00-0435	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,219.62 -192.42 112.89 164.20	64.38
32 31	13 00-0436	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,381.11 -219.91 129.01 187.66	69.37
32 31	13 00-0437	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,545.06 -247.40 145.14 211.11	75.12
32 31	13 00-0438	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,739.27 -279.97 164.25 238.91	81.98
32 31	13 00-0439	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,888.32 -303.30 177.94 258.82	90.18
32 31	13 00-0440	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,060.08 -329.87 193.52 281.49	100.16



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0441 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,244.28 -357.35 209.65 304.94	112.68
32 31 13 00-0442 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,439.24 -384.84 225.78 328.40	128.76
32 31 13 00-0443 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,650.30 -412.33 241.90 351.86	150.25
32 31 13 00-0444 7' Fence Height <small>(32 31 13 00-0383)</small>		
32 31 13 00-0445 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	261.59 -36.09 21.17 30.80	22.99
32 31 13 00-0446 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	325.76 -48.12 28.23 41.06	22.99
32 31 13 00-0447 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	377.42 -57.15 33.53 48.77	24.19
32 31 13 00-0448 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	441.25 -66.17 38.82 56.46	29.43
32 31 13 00-0449 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	504.35 -75.19 44.11 64.16	34.45
32 31 13 00-0450 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	568.21 -84.22 49.41 71.87	39.61
32 31 13 00-0451 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	631.29 -93.24 54.70 79.56	44.63
32 31 13 00-0452 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	695.16 -102.26 59.99 87.26	49.87
32 31 13 00-0453 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	919.72 -144.37 84.70 123.19	49.87
32 31 13 00-0454 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,117.31 -173.24 101.63 147.83	64.38
32 31 13 00-0455 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,286.19 -202.11 118.57 172.47	69.37
32 31 13 00-0456 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,457.51 -230.98 135.51 197.11	75.12
32 31 13 00-0457 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,632.03 -259.86 152.45 221.75	81.98
32 31 13 00-0458 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,810.61 -288.73 169.39 246.38	90.18
32 31 13 00-0459 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,994.65 -317.60 186.32 271.02	100.16
32 31 13 00-0460 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,186.26 -346.48 203.27 295.66	112.68
32 31 13 00-0461 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,388.62 -375.35 220.21 320.30	128.76

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0462	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,607.04 -404.22 237.14 344.94	150.25
32 31	13 00-0463	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,851.30 -433.10 254.08 369.58	180.28
32 31	13 00-0464		8' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0465	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	308.18 -43.74 25.66 37.33	24.93
32 31	13 00-0466	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	385.95 -58.33 34.22 49.77	24.93
32 31	13 00-0467	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	437.80 -68.05 39.92 58.07	24.93
32 31	13 00-0468	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	509.11 -77.77 45.62 66.36	31.45
32 31	13 00-0469	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	580.42 -87.49 51.33 74.66	37.89
32 31	13 00-0470	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	650.99 -97.21 57.03 82.95	44.10
32 31	13 00-0471	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	722.31 -106.93 62.73 91.25	50.61
32 31	13 00-0472	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	793.61 -116.65 68.44 99.54	57.13
32 31	13 00-0473	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,126.59 -174.98 102.65 149.32	64.38
32 31	13 00-0474	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,328.11 -209.97 123.18 179.18	69.37
32 31	13 00-0475	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,532.10 -244.97 143.72 209.04	75.12
32 31	13 00-0476	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,739.26 -279.97 164.25 238.90	81.98
32 31	13 00-0477	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,950.51 -314.96 184.78 268.77	90.18
32 31	13 00-0478	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,167.22 -349.96 205.31 298.63	100.16
32 31	13 00-0479	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,391.47 -384.95 225.84 328.49	112.68
32 31	13 00-0480	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,626.46 -419.95 246.37 358.36	128.76
32 31	13 00-0481	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,877.55 -454.94 266.90 388.22	150.25
32 31	13 00-0482	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,154.45 -489.94 287.43 418.08	180.28



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0483	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,476.45 -524.93 307.96 447.94	225.37
32 31	13 00-0484		10' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0485	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	353.84 -50.75 29.77 43.30	27.70
32 31	13 00-0486	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	444.06 -67.66 39.69 57.74	27.70
32 31	13 00-0487	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	507.86 -78.94 46.31 67.36	28.91
32 31	13 00-0488	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	588.96 -90.22 52.93 76.98	35.94
32 31	13 00-0489	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	669.33 -101.49 59.54 86.61	42.61
32 31	13 00-0490	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	750.45 -112.77 66.16 96.23	49.64
32 31	13 00-0491	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	830.80 -124.05 72.77 105.85	56.38
32 31	13 00-0492	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	911.92 -135.32 79.39 115.48	63.34
32 31	13 00-0493	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,297.43 -202.98 119.08 173.21	71.57
32 31	13 00-0494	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,530.39 -243.58 142.90 207.85	76.98
32 31	13 00-0495	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,766.28 -284.18 166.72 242.50	83.50
32 31	13 00-0496	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,005.46 -324.77 190.53 277.14	91.03
32 31	13 00-0497	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,249.43 -365.37 214.35 311.78	100.16
32 31	13 00-0498	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,499.21 -405.97 238.17 346.42	111.25
32 31	13 00-0499	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,757.66 -446.56 261.98 381.07	125.21
32 31	13 00-0500	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,027.61 -487.16 285.80 415.71	142.97
32 31	13 00-0501	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,316.03 -527.76 309.62 450.35	166.92
32 31	13 00-0502	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,632.27 -568.35 333.43 484.99	200.16
32 31	13 00-0503	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,999.73 -608.95 357.25 519.64	250.42

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0504			12' Fence Height <small>(32 31 13 00-0383)</small>		
32 31 13 00-0505	EA		3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	469.88	30.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.77	
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.39	
32 31 13 00-0506	EA		4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	595.35	30.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.30	
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.32	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.47	
32 31 13 00-0507	EA		5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	692.07	31.90
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-111.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	65.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	95.40	
32 31 13 00-0508	EA		6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	793.05	39.61
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-126.38	
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	107.84	
32 31 13 00-0509	EA		7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	902.68	47.39
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-142.58	
			<i>For Gate With Single Barb Wire Arm, Add</i>	83.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	121.67	
32 31 13 00-0510	EA		8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,011.55	54.89
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.78	
			<i>For Gate With Single Barb Wire Arm, Add</i>	93.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	135.49	
32 31 13 00-0511	EA		9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,121.17	62.60
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
32 31 13 00-0512	EA		10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,222.16	70.31
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-189.56	
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	161.76	
32 31 13 00-0513	EA		10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,754.63	79.52
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-284.25	
			<i>For Gate With Single Barb Wire Arm, Add</i>	166.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	242.56	
32 31 13 00-0514	EA		12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,125.48	85.61
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-350.35	
			<i>For Gate With Single Barb Wire Arm, Add</i>	205.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	298.96	
32 31 13 00-0515	EA		14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,460.20	92.72
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-409.07	
			<i>For Gate With Single Barb Wire Arm, Add</i>	239.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	349.07	
32 31 13 00-0516	EA		16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,796.53	101.10
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-467.39	
			<i>For Gate With Single Barb Wire Arm, Add</i>	274.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	398.84	
32 31 13 00-0517	EA		18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,133.90	111.33
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-524.94	
			<i>For Gate With Single Barb Wire Arm, Add</i>	307.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	447.95	
32 31 13 00-0518	EA		20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,481.81	123.60
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-583.27	
			<i>For Gate With Single Barb Wire Arm, Add</i>	342.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	497.72	
32 31 13 00-0519	EA		22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,839.61	139.08
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-641.60	
			<i>For Gate With Single Barb Wire Arm, Add</i>	376.40	
			<i>For Gate With Double Barb Wire Arm, Add</i>	547.49	
32 31 13 00-0520	EA		24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,210.07	158.88
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-699.92	
			<i>For Gate With Single Barb Wire Arm, Add</i>	410.62	
			<i>For Gate With Double Barb Wire Arm, Add</i>	597.27	
32 31 13 00-0521	EA		26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,611.39	185.52
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-760.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	445.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	648.70	
32 31 13 00-0522	EA		28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,033.27	222.42
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-818.52	
			<i>For Gate With Single Barb Wire Arm, Add</i>	480.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	698.47	
32 31 13 00-0523	EA		30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,512.06	278.25
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-876.85	
			<i>For Gate With Single Barb Wire Arm, Add</i>	514.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	748.24	

32 31 13 00-0524 Sliding Gate (32 31 13 00-0241)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 00-0525 4' High Sliding Gate (32 31 13 00-0524)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0526 EA 10' Long x 4' High Sliding Gate.....	1,553.99	274.61
For Gate With Barb Wire Arm, Add	110.52	
For Vinyl Coated, Add	301.42	
32 31 13 00-0527 EA 12' Long x 4' High Sliding Gate.....	1,868.70	331.55
For Gate With Barb Wire Arm, Add	132.63	
For Vinyl Coated, Add	361.71	
32 31 13 00-0528 EA 14' Long x 4' High Sliding Gate.....	2,180.30	386.78
For Gate With Barb Wire Arm, Add	154.73	
For Vinyl Coated, Add	421.99	
32 31 13 00-0529 EA 16' Long x 4' High Sliding Gate.....	2,496.72	444.57
For Gate With Barb Wire Arm, Add	176.84	
For Vinyl Coated, Add	482.28	
32 31 13 00-0530 EA 18' Long x 4' High Sliding Gate.....	2,808.84	500.15
For Gate With Barb Wire Arm, Add	198.94	
For Vinyl Coated, Add	542.57	
32 31 13 00-0531 EA 20' Long x 4' High Sliding Gate.....	3,110.69	550.57
For Gate With Barb Wire Arm, Add	221.05	
For Vinyl Coated, Add	602.85	
32 31 13 00-0532 EA 24' Long x 4' High Sliding Gate.....	3,719.71	663.01
For Gate With Barb Wire Arm, Add	263.31	
For Vinyl Coated, Add	718.11	
32 31 13 00-0533 EA 30' Long x 4' High Sliding Gate.....	5,517.18	1,251.48
For Gate With Barb Wire Arm, Add	331.57	
For Vinyl Coated, Add	904.27	
32 31 13 00-0534 EA 40' Long x 4' High Sliding Gate.....	7,356.23	1,668.64
For Gate With Barb Wire Arm, Add	442.09	
For Vinyl Coated, Add	1,205.69	
32 31 13 00-0535 5' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0536 EA 10' Long x 5' High Sliding Gate.....	1,632.04	298.89
For Gate With Barb Wire Arm, Add	113.77	
For Vinyl Coated, Add	310.28	
32 31 13 00-0537 EA 12' Long x 5' High Sliding Gate.....	1,957.61	358.28
For Gate With Barb Wire Arm, Add	136.52	
For Vinyl Coated, Add	372.34	
32 31 13 00-0538 EA 14' Long x 5' High Sliding Gate.....	2,283.74	417.92
For Gate With Barb Wire Arm, Add	159.28	
For Vinyl Coated, Add	434.40	
32 31 13 00-0539 EA 16' Long x 5' High Sliding Gate.....	2,610.22	477.73
For Gate With Barb Wire Arm, Add	182.03	
For Vinyl Coated, Add	496.45	
32 31 13 00-0540 EA 18' Long x 5' High Sliding Gate.....	2,936.31	537.29
For Gate With Barb Wire Arm, Add	204.79	
For Vinyl Coated, Add	558.51	
32 31 13 00-0541 EA 20' Long x 5' High Sliding Gate.....	3,262.62	597.02
For Gate With Barb Wire Arm, Add	227.54	
For Vinyl Coated, Add	620.57	
32 31 13 00-0542 EA 24' Long x 5' High Sliding Gate.....	3,898.55	717.24
For Gate With Barb Wire Arm, Add	271.05	
For Vinyl Coated, Add	739.22	
32 31 13 00-0543 EA 30' Long x 5' High Sliding Gate.....	4,894.23	895.74
For Gate With Barb Wire Arm, Add	341.31	
For Vinyl Coated, Add	930.85	
32 31 13 00-0544 EA 40' Long x 5' High Sliding Gate.....	6,525.22	1,194.03
For Gate With Barb Wire Arm, Add	455.08	
For Vinyl Coated, Add	1,241.13	
32 31 13 00-0545 6' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0546 EA 10' Long x 6' High Sliding Gate.....	1,755.71	350.41
For Gate With Barb Wire Arm, Add	116.04	
For Vinyl Coated, Add	316.49	
32 31 13 00-0547 EA 12' Long x 6' High Sliding Gate.....	2,104.39	419.19
For Gate With Barb Wire Arm, Add	139.25	
For Vinyl Coated, Add	379.78	
32 31 13 00-0548 EA 14' Long x 6' High Sliding Gate.....	2,454.95	488.98
For Gate With Barb Wire Arm, Add	162.46	
For Vinyl Coated, Add	443.08	
32 31 13 00-0549 EA 16' Long x 6' High Sliding Gate.....	2,805.84	558.95
For Gate With Barb Wire Arm, Add	185.67	
For Vinyl Coated, Add	506.37	
32 31 13 00-0550 EA 18' Long x 6' High Sliding Gate.....	3,156.42	628.75
For Gate With Barb Wire Arm, Add	208.88	
For Vinyl Coated, Add	569.67	
32 31 13 00-0551 EA 20' Long x 6' High Sliding Gate.....	3,511.70	700.91
For Gate With Barb Wire Arm, Add	232.09	
For Vinyl Coated, Add	632.97	
32 31 13 00-0552 EA 24' Long x 6' High Sliding Gate.....	4,190.19	838.46
For Gate With Barb Wire Arm, Add	276.46	
For Vinyl Coated, Add	753.99	
32 31 13 00-0553 EA 30' Long x 6' High Sliding Gate.....	5,261.48	1,048.36
For Gate With Barb Wire Arm, Add	348.13	
For Vinyl Coated, Add	949.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0554	EA	40' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,014.16 464.18 1,265.94	1,397.16
32 31	13 00-0555		7' High Sliding Gate (32 31 13 00-0524)		
32 31	13 00-0556	EA	10' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,877.99 120.59 328.89	390.85
32 31	13 00-0557	EA	12' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,252.97 144.71 394.67	468.68
32 31	13 00-0558	EA	14' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,629.23 168.83 460.44	547.19
32 31	13 00-0559	EA	16' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,004.14 192.95 526.22	625.02
32 31	13 00-0560	EA	18' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,379.79 217.07 592.00	703.28
32 31	13 00-0561	EA	20' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,754.89 241.18 657.77	781.19
32 31	13 00-0562	EA	24' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,486.56 287.30 783.54	937.36
32 31	13 00-0563	EA	30' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,632.34 361.77 986.66	1,171.71
32 31	13 00-0564	EA	40' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,509.78 482.37 1,315.55	1,562.30
32 31	13 00-0565		8' High Sliding Gate (32 31 13 00-0524)		
32 31	13 00-0566	EA	10' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,975.61 124.16 338.63	423.42
32 31	13 00-0567	EA	12' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,368.30 149.00 406.36	506.92
32 31	13 00-0568	EA	14' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,763.07 173.83 474.08	591.44
32 31	13 00-0569	EA	16' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,158.00 198.66 541.81	675.95
32 31	13 00-0570	EA	18' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,551.98 223.50 609.53	760.13
32 31	13 00-0571	EA	20' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,946.99 248.33 677.26	844.72
32 31	13 00-0572	EA	24' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,716.72 295.81 806.75	1,013.76
32 31	13 00-0573	EA	30' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,921.12 372.49 1,015.89	1,267.38
32 31	13 00-0574	EA	40' Long x 8' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,892.30 496.66 1,354.52	1,688.60
32 31	13 00-0575		9' High Sliding Gate (32 31 13 00-0524)		
32 31	13 00-0576	EA	10' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,090.99 128.39 350.15	461.91
32 31	13 00-0577	EA	12' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,505.74 154.06 420.18	552.61
32 31	13 00-0578	EA	14' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,923.15 179.74 490.21	644.56
32 31	13 00-0579	EA	16' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,341.31 205.42 560.24	736.95
32 31	13 00-0580	EA	18' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,758.88 231.10 630.26	828.99
32 31	13 00-0581	EA	20' Long x 9' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,176.44 256.78 700.30	921.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0582 EA 24' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,990.93 305.87 834.19	1,105.13
32 31 13 00-0583 EA 30' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,263.90 385.16 1,050.44	1,381.26
32 31 13 00-0584 EA 40' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,354.89 513.55 1,400.59	1,843.17
32 31 13 00-0585 10' High Sliding Gate <small>(32 31 13 00-0524)</small>		
32 31 13 00-0586 EA 10' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,233.57 133.91 365.21	508.10
32 31 13 00-0587 EA 12' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,680.29 160.69 438.25	609.70
32 31 13 00-0588 EA 14' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,127.33 187.47 511.29	711.48
32 31 13 00-0589 EA 16' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,573.91 214.26 584.33	813.09
32 31 13 00-0590 EA 18' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,020.41 241.04 657.37	914.60
32 31 13 00-0591 EA 20' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,467.14 267.82 730.42	1,016.21
32 31 13 00-0592 EA 24' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,340.01 319.03 870.07	1,219.92
32 31 13 00-0593 EA 30' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,700.70 401.73 1,095.62	1,524.31
32 31 13 00-0594 EA 40' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,931.84 535.64 1,460.83	2,031.23
32 31 13 00-0595 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 00-0241)</small>		
<p>Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.</p>		
32 31 13 00-0596 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,830.03 236.86 344.52 1,033.55 452.18 645.97	338.99
32 31 13 00-0597 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,145.80 252.98 367.97 1,103.91 482.96 689.94	423.00
32 31 13 00-0598 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,463.59 269.32 391.74 1,175.23 514.16 734.52	507.60
32 31 13 00-0599 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,128.44 305.23 443.98 1,331.93 582.72 832.46	676.80
32 31 13 00-0600 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,875.16 277.37 403.45 1,210.35 529.53 756.47	676.80
32 31 13 00-0601 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,616.38 312.38 454.37 1,363.10 596.36 851.94	888.30

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0602	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	6,059.26	1,099.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	424.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	617.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,852.64	
			<i>For Powder Coated Gate And Post, Add</i>	810.53	
			<i>For Vinyl Coated, Add</i>	1,157.90	
32 31	13 00-0603	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	6,882.21	1,311.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	468.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	681.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,044.62	
			<i>For Powder Coated Gate And Post, Add</i>	894.52	
			<i>For Vinyl Coated, Add</i>	1,277.89	
32 31	13 00-0604	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	4,576.93	845.99
			<i>For Gate With Single Barb Wire Arm, Add</i>	317.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	461.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,384.77	
			<i>For Powder Coated Gate And Post, Add</i>	605.84	
			<i>For Vinyl Coated, Add</i>	865.48	
32 31	13 00-0605	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	5,532.66	1,142.10
			<i>For Gate With Single Barb Wire Arm, Add</i>	357.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	519.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,559.27	
			<i>For Powder Coated Gate And Post, Add</i>	682.18	
			<i>For Vinyl Coated, Add</i>	974.54	
32 31	13 00-0606	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	7,291.50	1,438.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	485.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	706.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,119.26	
			<i>For Powder Coated Gate And Post, Add</i>	927.18	
			<i>For Vinyl Coated, Add</i>	1,324.54	
32 31	13 00-0607	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	8,256.06	1,691.99
			<i>For Gate With Single Barb Wire Arm, Add</i>	535.93	
			<i>For Gate With Double Barb Wire Arm, Add</i>	779.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,338.60	
			<i>For Powder Coated Gate And Post, Add</i>	1,023.14	
			<i>For Vinyl Coated, Add</i>	1,461.62	
32 31	13 00-0608		Gate Accessories <small>(32 31 13 00-0241)</small>		
	32 31 13 00-0609	EA	Gate Center Stop, Cast Steel, Ground.....	17.73	
	32 31 13 00-0610	EA	Gate Latch, Malleable Galvanized Steel.....	32.80	
	32 31 13 00-0611	EA	Gate Keeper, Full Length, Galvanized Steel.....	146.39	
	32 31 13 00-0612	EA	Gate Keeper Hold-Open For Cantilever Gate.....	67.21	14.22
	32 31 13 00-0613	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel.....	38.09	
	32 31 13 00-0614	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	764.08	
	32 31 13 00-0615	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate.....	819.09	
	32 31 13 00-0616	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate.....	874.10	
32 31	13 00-0617		Pipe Gate <small>(32 31 13 00-0241)</small>		
	32 31 13 00-0618	EA	20' Pipe Gate, Swinging (Road Access Barrier).....	1,872.44	
	32 31 13 00-0619	EA	25' Pipe Gate, Swinging (Road Access Barrier).....	2,358.69	
	32 31 13 00-0620	EA	30' Pipe Gate, Swinging (Road Access Barrier).....	2,823.17	
32 31	13 00-0621		Reinforced Gate <small>(32 31 13 00-0241)</small>		
			Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
	32 31 13 00-0622	LF	Reinforced Single Gate, 4' High, Galvanized.....	229.86	8.98
			<i>For Vinyl Coated, Add</i>	127.13	
			<i>For Powder Coated, Add</i>	169.51	
			<i>For Aluminum Coated, Add</i>	264.86	
	32 31 13 00-0623	LF	Reinforced Single Gate, 5' High, Galvanized.....	246.73	9.73
			<i>For Vinyl Coated, Add</i>	136.36	
			<i>For Powder Coated, Add</i>	181.81	
			<i>For Aluminum Coated, Add</i>	284.08	
	32 31 13 00-0624	LF	Reinforced Single Gate, 6' High, Galvanized.....	263.80	10.86
			<i>For Vinyl Coated, Add</i>	145.25	
			<i>For Powder Coated, Add</i>	193.66	
			<i>For Aluminum Coated, Add</i>	302.60	
	32 31 13 00-0625	LF	Reinforced Single Gate, 7' High, Galvanized.....	279.60	11.60
			<i>For Vinyl Coated, Add</i>	153.83	
			<i>For Powder Coated, Add</i>	205.11	
			<i>For Aluminum Coated, Add</i>	320.49	
	32 31 13 00-0626	LF	Reinforced Single Gate, 8' High, Galvanized.....	296.65	13.10
			<i>For Vinyl Coated, Add</i>	162.26	
			<i>For Powder Coated, Add</i>	216.35	
			<i>For Aluminum Coated, Add</i>	338.05	
	32 31 13 00-0627	LF	Reinforced Double Gate, 4' High, Galvanized.....	159.89	8.98
			<i>For Vinyl Coated, Add</i>	85.15	
			<i>For Powder Coated, Add</i>	113.54	
			<i>For Aluminum Coated, Add</i>	177.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0628 LF Reinforced Double Gate, 5' High, Galvanized	179.15	9.73
<i>For Vinyl Coated, Add</i>	95.81	
<i>For Powder Coated, Add</i>	127.74	
<i>For Aluminum Coated, Add</i>	199.60	
32 31 13 00-0629 LF Reinforced Double Gate, 6' High, Galvanized	198.52	10.86
<i>For Vinyl Coated, Add</i>	106.08	
<i>For Powder Coated, Add</i>	141.44	
<i>For Aluminum Coated, Add</i>	221.00	
32 31 13 00-0630 LF Reinforced Double Gate, 7' High, Galvanized	252.55	11.60
<i>For Vinyl Coated, Add</i>	137.60	
<i>For Powder Coated, Add</i>	183.47	
<i>For Aluminum Coated, Add</i>	286.68	
32 31 13 00-0631 LF Reinforced Double Gate, 8' High, Galvanized	306.82	13.10
<i>For Vinyl Coated, Add</i>	168.37	
<i>For Powder Coated, Add</i>	224.49	
<i>For Aluminum Coated, Add</i>	350.76	
32 31 13 00-0632 Accessories <small>(32 31 13)</small>		
32 31 13 00-0633 Barbed And Concertina Wire <small>(32 31 13 00-0632)</small>		
32 31 13 00-0634 Single Strand Barbed Wire <small>(32 31 13 00-0633)</small>		
32 31 13 00-0635 LF Galvanized Barbed Wire, Per Strand.....	0.80	0.37
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
<i>For >500 To 2,000, Deduct</i>	-0.08	
<i>For >2,000, Deduct</i>	-0.12	
32 31 13 00-0636 LF Vinyl Coated Barbed Wire (Fused), Per Strand	0.88	0.37
Note: Includes clips.		
<i>For >500 To 2,000, Deduct</i>	-0.08	
<i>For >2,000, Deduct</i>	-0.12	
32 31 13 00-0637 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.21	5.99
32 31 13 00-0638 EA Barbed Wire Extension Arms 6 Strands (Double Arm)	12.62	7.19
32 31 13 00-0639 EA Barbed Wire Eye Tops (For Single Strand).....	8.76	5.99
32 31 13 00-0640 Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 00-0633)</small>		
32 31 13 00-0641 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.50	0.52
<i>For >500 To 1,500, Deduct</i>	-0.23	
<i>For >1,500 To 5,000, Deduct</i>	-0.45	
<i>For >5,000, Deduct</i>	-0.65	
<i>For Ground Installation, Deduct</i>	-0.38	
<i>For Double Coil (Helix), Add</i>	1.75	
32 31 13 00-0642 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.76	0.52
<i>For >500 To 1,500, Deduct</i>	-0.34	
<i>For >1,500 To 5,000, Deduct</i>	-0.68	
<i>For >5,000, Deduct</i>	-0.98	
<i>For Ground Installation, Deduct</i>	-0.56	
<i>For Double Coil (Helix), Add</i>	2.64	
32 31 13 00-0643 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.99	0.52
<i>For >500 To 1,500, Deduct</i>	-0.45	
<i>For >1,500 To 5,000, Deduct</i>	-0.90	
<i>For >5,000, Deduct</i>	-1.30	
<i>For Ground Installation, Deduct</i>	-0.75	
<i>For Double Coil (Helix), Add</i>	3.50	
32 31 13 00-0644 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.06	0.52
<i>For >500 To 1,500, Deduct</i>	-0.27	
<i>For >1,500 To 5,000, Deduct</i>	-0.54	
<i>For >5,000, Deduct</i>	-0.78	
<i>For Ground Installation, Deduct</i>	-0.42	
<i>For Double Coil (Helix), Add</i>	2.23	
32 31 13 00-0645 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.61	0.52
<i>For >500 To 1,500, Deduct</i>	-0.41	
<i>For >1,500 To 5,000, Deduct</i>	-0.82	
<i>For >5,000, Deduct</i>	-1.17	
<i>For Ground Installation, Deduct</i>	-0.62	
<i>For Double Coil (Helix), Add</i>	3.37	
32 31 13 00-0646 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.11	0.52
<i>For >500 To 1,500, Deduct</i>	-0.54	
<i>For >1,500 To 5,000, Deduct</i>	-1.08	
<i>For >5,000, Deduct</i>	-1.55	
<i>For Ground Installation, Deduct</i>	-0.83	
<i>For Double Coil (Helix), Add</i>	4.46	
32 31 13 00-0647 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.36	0.52
<i>For >500 To 1,500, Deduct</i>	-0.60	
<i>For >1,500 To 5,000, Deduct</i>	-1.20	
<i>For >5,000, Deduct</i>	-1.66	
<i>For Ground Installation, Deduct</i>	-0.47	
<i>For Double Coil (Helix), Add</i>	6.43	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0648	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.13	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.91	
			<i>For >1,500 To 5,000, Deduct</i>	-1.81	
			<i>For >5,000, Deduct</i>	-2.51	
			<i>For Ground Installation, Deduct</i>	-0.70	
			<i>For Double Coil (Helix), Add</i>	9.73	
32 31	13 00-0649	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.73	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.20	
			<i>For >1,500 To 5,000, Deduct</i>	-2.40	
			<i>For >5,000, Deduct</i>	-3.32	
			<i>For Ground Installation, Deduct</i>	-0.94	
			<i>For Double Coil (Helix), Add</i>	12.86	
32 31	13 00-0650		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 00-0633)</small>		
32 31	13 00-0651	LF	18" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.10	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.27	
			<i>For >1,500 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-0.77	
			<i>For Ground Installation, Deduct</i>	-0.38	
			<i>For Double Coil (Helix), Add</i>	2.35	
32 31	13 00-0652	LF	18" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.67	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.41	
			<i>For >1,500 To 5,000, Deduct</i>	-0.81	
			<i>For >5,000, Deduct</i>	-1.16	
			<i>For Ground Installation, Deduct</i>	-0.56	
			<i>For Double Coil (Helix), Add</i>	3.55	
32 31	13 00-0653	LF	18" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.19	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.54	
			<i>For >1,500 To 5,000, Deduct</i>	-1.08	
			<i>For >5,000, Deduct</i>	-1.54	
			<i>For Ground Installation, Deduct</i>	-0.75	
			<i>For Double Coil (Helix), Add</i>	4.70	
32 31	13 00-0654	LF	24" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.86	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.33	
			<i>For >1,500 To 5,000, Deduct</i>	-0.66	
			<i>For >5,000, Deduct</i>	-0.94	
			<i>For Ground Installation, Deduct</i>	-0.42	
			<i>For Double Coil (Helix), Add</i>	3.03	
32 31	13 00-0655	LF	24" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.82	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.50	
			<i>For >1,500 To 5,000, Deduct</i>	-1.00	
			<i>For >5,000, Deduct</i>	-1.41	
			<i>For Ground Installation, Deduct</i>	-0.62	
			<i>For Double Coil (Helix), Add</i>	4.58	
32 31	13 00-0656	LF	24" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.71	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.66	
			<i>For >1,500 To 5,000, Deduct</i>	-1.32	
			<i>For >5,000, Deduct</i>	-1.87	
			<i>For Ground Installation, Deduct</i>	-0.83	
			<i>For Double Coil (Helix), Add</i>	6.06	
32 31	13 00-0657	LF	30" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.39	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.83	
			<i>For >1,500 To 5,000, Deduct</i>	-1.65	
			<i>For >5,000, Deduct</i>	-2.27	
			<i>For Ground Installation, Deduct</i>	-0.47	
			<i>For Double Coil (Helix), Add</i>	9.46	
32 31	13 00-0658	LF	30" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.72	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.25	
			<i>For >1,500 To 5,000, Deduct</i>	-2.50	
			<i>For >5,000, Deduct</i>	-3.43	
			<i>For Ground Installation, Deduct</i>	-0.70	
			<i>For Double Coil (Helix), Add</i>	14.32	
32 31	13 00-0659	LF	30" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.79	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.65	
			<i>For >1,500 To 5,000, Deduct</i>	-3.31	
			<i>For >5,000, Deduct</i>	-4.53	
			<i>For Ground Installation, Deduct</i>	-0.94	
			<i>For Double Coil (Helix), Add</i>	18.92	
32 31	13 00-0660		Grounding For Gates <small>(32 31 13 00-0632)</small>		
			Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31	13 00-0661	OPN	Grounding For Gates (Per Opening).....	365.32	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0662 Coiled Spring Reinforcing Wire <small>(32 31 13 00-0632)</small>		
32 31 13 00-0663 Galvanized Steel <small>(32 31 13 00-0662)</small>		
32 31 13 00-0664 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	0.86	0.37
32 31 13 00-0665 Vinyl Coated Steel <small>(32 31 13 00-0662)</small>		
32 31 13 00-0666 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.86	0.37
32 31 13 00-0667 Bending Of Fabric Around Pipe Railings <small>(32 31 13 00-0632)</small>		
Note: Only where specified.		
32 31 13 00-0668 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.18	
32 31 13 00-0669 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.04	
32 31 13 00-0670 Mounting Plate With Anchors Or Bolts <small>(32 31 13 00-0632)</small>		
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 00-0671 EA Mounting Plate For 1-5/8" Diameter Post	27.08	
32 31 13 00-0672 EA Mounting Plate For 2" Diameter Post.....	27.46	
32 31 13 00-0673 EA Mounting Plate For 2-1/2" Diameter Post	28.33	
32 31 13 00-0674 EA Mounting Plate For 3" Diameter Post.....	33.65	
32 31 13 00-0675 EA Mounting Plate For 4" Diameter Post.....	38.39	
32 31 13 00-0676 EA Mounting Plate For 6-5/8" Diameter Post	44.08	
32 31 13 00-0677 EA Mounting Plate For 8-5/8" Diameter Post	51.58	
32 31 13 00-0678 Fence And Gate Repair And Replacement <small>(32 31 13)</small>		
32 31 13 00-0679 Fence And Gate Parts Replacement <small>(32 31 13 00-0678)</small>		
32 31 13 00-0680 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	82.58	
32 31 13 00-0681 EA Sliding Gate Roller Assembly Replacement	83.04	
32 31 13 00-0682 EA Rod And Lock Gate Keeper Replacement.....	80.96	
32 31 13 00-0683 EA Galvanized Gate Holdback Replacement.....	19.35	
32 31 13 00-0684 LF 3/8" Cross Bracing Rod Replacement	1.06	
32 31 13 00-0685 LF 1-5/8" Diagonal Pipe Bracing Replacement.....	1.63	
32 31 13 00-0686 EA 2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.05	
32 31 13 00-0687 EA 3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	12.81	
32 31 13 00-0688 EA 4" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	14.53	
32 31 13 00-0689 EA 6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	25.82	
32 31 13 00-0690 EA 8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	30.87	
32 31 13 00-0691 EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	17.43	
32 31 13 00-0692 EA 3" x 2" Off Set Gate Hinge Replacement.....	18.21	
32 31 13 00-0693 EA 4" x 2" Off Set Gate Hinge Replacement	19.47	
32 31 13 00-0694 EA 6-5/8" x 2" Off Set Gate Hinge Replacement	30.38	
32 31 13 00-0695 EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	46.44	
32 31 13 00-0696 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	3.82	
32 31 13 00-0697 EA 2" Aluminum Die-Cast Post Cap Replacement.....	4.19	
32 31 13 00-0698 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	4.72	
32 31 13 00-0699 EA 3" Aluminum Die-Cast Post Cap Replacement.....	5.35	
32 31 13 00-0700 EA 2" Galvanized Post Cap Replacement.....	4.63	
32 31 13 00-0701 EA 2-1/2" Galvanized Post Cap Replacement.....	5.01	
32 31 13 00-0702 EA 3" Galvanized Post Cap Replacement.....	5.71	
32 31 13 00-0703 EA 4" Galvanized Post Cap Replacement.....	8.12	
32 31 13 00-0704 EA 6-5/8" Galvanized Post Cap Replacement.....	14.27	
32 31 13 00-0705 EA 8-5/8" Galvanized Post Cap Replacement.....	22.95	
32 31 13 00-0706 EA 1-5/8" Boulevard Clamp Replacement.....	7.84	
32 31 13 00-0707 EA 2" Boulevard Clamp Replacement.....	9.52	
32 31 13 00-0708 EA 2-1/2" Boulevard Clamp Replacement.....	11.18	
32 31 13 00-0709 EA 3" Boulevard Clamp Replacement.....	13.56	
32 31 13 00-0710 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement	7.71	
32 31 13 00-0711 EA 2" Gate Brace Or End Rail Clamp Replacement	9.35	
32 31 13 00-0712 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement	11.01	
32 31 13 00-0713 EA 3" Gate Brace Or End Rail Clamp Replacement	13.38	
32 31 13 00-0714 EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.02	
32 31 13 00-0715 EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.07	
32 31 13 00-0716 EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.22	
32 31 13 00-0717 EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.16	
32 31 13 00-0718 EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.27	
32 31 13 00-0719 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.36	
32 31 13 00-0720 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.62	
32 31 13 00-0721 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.55	
32 31 13 00-0722 Remove And Reinstall Chain Link Fences <small>(32 31 13)</small>		
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 00-0723 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	14.98	
32 31 13 00-0724 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.46	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0725 Regulation Baseball Backstop And Fencing <small>(32 31 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0726 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	7,827.94	1,388.79
32 31 13 00-0727 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	11,257.04	1,851.72
32 31 13 00-0728 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	14,300.81	2,160.34
32 31 13 00-0729 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	10,859.34	1,388.79
32 31 13 00-0730 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	15,792.97	1,851.72
32 31 13 00-0731 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,286.67	2,160.34
32 31 13 00-0732 Regulation Softball Backstop <small>(32 31 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0733 14' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0734 EA 14' Softball Backstop, Galvanized Regulation.....	6,893.15	1,471.27
32 31 13 00-0735 EA 14' Softball Backstop, Vinyl Coated Regulation	9,067.32	1,471.27
32 31 13 00-0736 18' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0737 EA 18' Softball Backstop, Galvanized Regulation.....	8,018.18	1,635.65
32 31 13 00-0738 EA 18' Softball Backstop Vinyl Coated Regulation	10,648.22	1,635.65
32 31 13 00-0739 20' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0740 EA 20' Softball Backstop, Galvanized Regulation.....	9,033.99	1,724.55
32 31 13 00-0741 EA 20' Softball Backstop, Vinyl Coated Regulation	12,155.01	1,724.55
32 31 13 00-0742 22' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0743 EA 22' Softball Backstop, Galvanized Regulation.....	10,355.43	1,776.59
32 31 13 00-0744 EA 22' Softball Backstop, Vinyl Coated Regulation	14,107.62	1,776.59
32 31 13 00-0745 24' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0746 EA 24' Softball Backstop, Galvanized Regulation.....	12,261.26	2,030.38
32 31 13 00-0747 EA 24' Softball Backstop, Vinyl Coated Regulation	16,925.19	2,030.38
32 31 19 Decorative Metal Fences And Gates <small>(32 31)</small> See CSI section 32 31 13 00-0001 for drilling and grouting.		
32 31 19 00-0001 Wrought Iron Fence <small>(32 31 19)</small> Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	57.46	8.24
For Verticals Up To 2" On Center, Add	8.20	
For Verticals >2" To 2-1/2" On Center, Add	4.10	
For Verticals >3" To 4" On Center, Deduct	-4.10	
For Verticals >4" To 6" On Center, Deduct	-8.20	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	74.57	10.49
For Verticals Up To 2" On Center, Add	10.87	
For Verticals >2" To 2-1/2" On Center, Add	5.43	
For Verticals >3" To 4" On Center, Deduct	-5.43	
For Verticals >4" To 6" On Center, Deduct	-10.87	
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	90.53	10.94
For Verticals Up To 2" On Center, Add	13.70	
For Verticals >2" To 2-1/2" On Center, Add	6.85	
For Verticals >3" To 4" On Center, Deduct	-6.85	
For Verticals >4" To 6" On Center, Deduct	-13.70	
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	109.82	13.18
For Verticals Up To 2" On Center, Add	16.68	
For Verticals >2" To 2-1/2" On Center, Add	8.34	
For Verticals >3" To 4" On Center, Deduct	-8.34	
For Verticals >4" To 6" On Center, Deduct	-16.68	
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	131.56	13.95
For Verticals Up To 2" On Center, Add	20.73	
For Verticals >2" To 2-1/2" On Center, Add	10.37	
For Verticals >3" To 4" On Center, Deduct	-10.37	
For Verticals >4" To 6" On Center, Deduct	-20.73	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	153.28	14.67
<i>For Verticals Up To 2" On Center, Add</i>	24.79	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	12.39	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-12.39	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-24.79	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	189.05	16.47
<i>For Verticals Up To 2" On Center, Add</i>	31.22	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	15.61	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-15.61	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-31.22	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	224.88	18.71
<i>For Verticals Up To 2" On Center, Add</i>	37.49	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	18.74	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-18.74	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-37.49	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001)		
Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	71.54	10.03
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	93.97	12.43
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	115.90	14.98
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	141.28	17.97
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	196.72	19.92
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	241.87	22.01
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	286.09	25.01
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	88.15	8.98
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	116.31	11.23
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	142.92	13.48
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	173.92	16.17
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	243.05	17.97
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	299.24	19.76
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	354.38	22.46
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Replace Wrought Iron Picket	17.34	
32 31 19 00-0030 LF Replace Wrought Iron Post.....	27.19	
32 31 19 00-0031 EA Straigten Wrought Iron Post.....	59.90	
32 31 19 00-0032 Steel Tube Fence, Galvanized (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	41.51	8.24
<i>For Verticals Up To 2" On Center, Add</i>	5.07	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.54	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.54	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.07	
<i>For Powder Coated Finish, Add</i>	3.81	
<i>For Solid Pickets, Add</i>	8.13	
<i>For Aluminum With Satin Finish, Add</i>	5.19	
<i>For Third Rail, Add</i>	1.90	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	6.34	
<i>For Color, Add</i>	1.27	
<i>For 3" Square Posts, Add</i>	2.54	
32 31 19 00-0035 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	47.26	9.73
<i>For Verticals Up To 2" On Center, Add</i>	5.64	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.82	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.82	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.64	
<i>For Powder Coated Finish, Add</i>	4.23	
<i>For Solid Pickets, Add</i>	9.20	
<i>For Aluminum With Satin Finish, Add</i>	5.59	
<i>For Third Rail, Add</i>	2.11	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.05	
<i>For Color, Add</i>	1.41	
<i>For 3" Square Posts, Add</i>	2.82	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0036	LF	5'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	50.90	10.94
			<i>For Verticals Up To 2" On Center, Add</i>	5.78	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.89	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.89	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.78	
			<i>For Powder Coated Finish, Add</i>	4.33	
			<i>For Solid Pickets, Add</i>	9.80	
			<i>For Aluminum With Satin Finish, Add</i>	5.37	
			<i>For Third Rail, Add</i>	2.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.22	
			<i>For Color, Add</i>	1.44	
			<i>For 3" Square Posts, Add</i>	2.89	
32 31 19 00-0037	LF	6'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	58.76	12.36
			<i>For Verticals Up To 2" On Center, Add</i>	6.81	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.41	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.41	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-6.81	
			<i>For Powder Coated Finish, Add</i>	5.11	
			<i>For Solid Pickets, Add</i>	11.37	
			<i>For Aluminum With Satin Finish, Add</i>	6.51	
			<i>For Third Rail, Add</i>	2.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	8.51	
			<i>For Color, Add</i>	1.70	
			<i>For 3" Square Posts, Add</i>	3.41	
32 31 19 00-0038	LF	7'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	66.84	13.48
			<i>For Verticals Up To 2" On Center, Add</i>	7.98	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.99	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.99	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.98	
			<i>For Powder Coated Finish, Add</i>	5.98	
			<i>For Solid Pickets, Add</i>	13.02	
			<i>For Aluminum With Satin Finish, Add</i>	7.92	
			<i>For Third Rail, Add</i>	2.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.97	
			<i>For Color, Add</i>	1.99	
			<i>For 4" Square Posts, Add</i>	13.96	
32 31 19 00-0039	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	75.08	14.67
			<i>For Verticals Up To 2" On Center, Add</i>	9.15	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.57	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.57	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.15	
			<i>For Powder Coated Finish, Add</i>	6.86	
			<i>For Solid Pickets, Add</i>	14.69	
			<i>For Aluminum With Satin Finish, Add</i>	9.32	
			<i>For Third Rail, Add</i>	3.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.43	
			<i>For Color, Add</i>	2.29	
			<i>For 4" Square Posts, Add</i>	16.01	
32 31 19 00-0040	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	86.44	15.72
			<i>For Verticals Up To 2" On Center, Add</i>	11.00	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.50	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.50	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-11.00	
			<i>For Powder Coated Finish, Add</i>	8.25	
			<i>For Solid Pickets, Add</i>	17.09	
			<i>For Aluminum With Satin Finish, Add</i>	11.78	
			<i>For Third Rail, Add</i>	4.12	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.75	
			<i>For Color, Add</i>	2.75	
			<i>For 4" Square Posts, Add</i>	19.25	
32 31 19 00-0041	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	97.94	16.85
			<i>For Verticals Up To 2" On Center, Add</i>	12.85	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.43	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.43	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.85	
			<i>For Powder Coated Finish, Add</i>	9.64	
			<i>For Solid Pickets, Add</i>	19.51	
			<i>For Aluminum With Satin Finish, Add</i>	14.22	
			<i>For Third Rail, Add</i>	4.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	16.06	
			<i>For Color, Add</i>	3.21	
			<i>For 6" Square Posts, Add</i>	22.49	
32 31 19 00-0042	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	114.65	18.71
			<i>For Verticals Up To 2" On Center, Add</i>	15.44	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.72	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.72	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-15.44	
			<i>For Powder Coated Finish, Add</i>	11.58	
			<i>For Solid Pickets, Add</i>	22.99	
			<i>For Aluminum With Satin Finish, Add</i>	17.55	
			<i>For Third Rail, Add</i>	5.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	19.30	
			<i>For Color, Add</i>	3.86	
			<i>For 6" Square Posts, Add</i>	27.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	122.91	20.22
<i>For Verticals Up To 2" On Center, Add</i>	16.50	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	8.25	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-8.25	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-16.50	
<i>For Powder Coated Finish, Add</i>	12.37	
<i>For Solid Pickets, Add</i>	24.62	
<i>For Aluminum With Satin Finish, Add</i>	18.68	
<i>For Third Rail, Add</i>	6.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	20.62	
<i>For Color, Add</i>	4.12	
<i>For 6" Square Posts, Add</i>	28.87	
32 31 19 00-0044 Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31 19 00-0045 4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0046 EA 4' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	636.32	18.71
<i>For Solid Pickets, Add</i>	138.96	
<i>For Aluminum With Satin Finish, Add</i>	165.63	
<i>For Third Rail, Add</i>	43.51	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	58.02	
<i>For Color, Add</i>	29.01	
32 31 19 00-0047 EA 5' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	709.69	19.92
<i>For Solid Pickets, Add</i>	155.19	
<i>For Aluminum With Satin Finish, Add</i>	185.95	
<i>For Third Rail, Add</i>	48.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.98	
<i>For Color, Add</i>	32.49	
32 31 19 00-0048 EA 6' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	768.10	23.96
<i>For Solid Pickets, Add</i>	167.43	
<i>For Aluminum With Satin Finish, Add</i>	198.08	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	
32 31 19 00-0049 EA 7' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	942.52	27.92
<i>For Solid Pickets, Add</i>	205.78	
<i>For Aluminum With Satin Finish, Add</i>	245.01	
<i>For Third Rail, Add</i>	64.40	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.87	
<i>For Color, Add</i>	42.93	
32 31 19 00-0050 EA 8' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,058.56	27.92
<i>For Solid Pickets, Add</i>	231.89	
<i>For Aluminum With Satin Finish, Add</i>	279.83	
<i>For Third Rail, Add</i>	73.10	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
<i>For Color, Add</i>	48.73	
32 31 19 00-0051 EA 9' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,175.33	35.94
<i>For Solid Pickets, Add</i>	256.36	
<i>For Aluminum With Satin Finish, Add</i>	304.08	
<i>For Third Rail, Add</i>	80.06	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.75	
<i>For Color, Add</i>	53.38	
32 31 19 00-0052 EA 10' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,280.13	39.91
<i>For Solid Pickets, Add</i>	279.05	
<i>For Aluminum With Satin Finish, Add</i>	330.13	
<i>For Third Rail, Add</i>	87.03	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.03	
<i>For Color, Add</i>	58.02	
32 31 19 00-0053 5' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0054 EA 4' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	686.49	19.92
<i>For Solid Pickets, Add</i>	149.97	
<i>For Aluminum With Satin Finish, Add</i>	178.99	
<i>For Third Rail, Add</i>	46.99	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.66	
<i>For Color, Add</i>	31.33	
32 31 19 00-0055 EA 5' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	759.87	21.19
<i>For Solid Pickets, Add</i>	166.20	
<i>For Aluminum With Satin Finish, Add</i>	199.31	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	
32 31 19 00-0056 EA 6' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	819.00	25.45
<i>For Solid Pickets, Add</i>	178.55	
<i>For Aluminum With Satin Finish, Add</i>	211.33	
<i>For Third Rail, Add</i>	55.70	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.26	
<i>For Color, Add</i>	37.13	
32 31 19 00-0057 EA 7' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	994.17	29.65
<i>For Solid Pickets, Add</i>	217.01	
<i>For Aluminum With Satin Finish, Add</i>	258.16	
<i>For Third Rail, Add</i>	67.88	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.51	
<i>For Color, Add</i>	45.25	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0058	EA		8' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,146.90	34.14
			<i>For Solid Pickets, Add</i>	250.36	
			<i>For Aluminum With Satin Finish, Add</i>	297.90	
			<i>For Third Rail, Add</i>	78.32	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.43	
			<i>For Color, Add</i>	52.22	
32 31 19 00-0059	EA		9' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,252.45	38.41
			<i>For Solid Pickets, Add</i>	273.15	
			<i>For Aluminum With Satin Finish, Add</i>	323.85	
			<i>For Third Rail, Add</i>	85.29	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.71	
			<i>For Color, Add</i>	56.86	
32 31 19 00-0060	EA		10' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,381.21	42.61
			<i>For Solid Pickets, Add</i>	301.17	
			<i>For Aluminum With Satin Finish, Add</i>	356.75	
			<i>For Third Rail, Add</i>	93.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	125.32	
			<i>For Color, Add</i>	62.66	
32 31 19 00-0061			6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0062	EA		4' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	760.39	21.34
			<i>For Solid Pickets, Add</i>	166.27	
			<i>For Aluminum With Satin Finish, Add</i>	199.24	
			<i>For Third Rail, Add</i>	52.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
			<i>For Color, Add</i>	34.81	
32 31 19 00-0063	EA		5' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	833.97	22.69
			<i>For Solid Pickets, Add</i>	182.53	
			<i>For Aluminum With Satin Finish, Add</i>	219.53	
			<i>For Third Rail, Add</i>	57.44	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.58	
			<i>For Color, Add</i>	38.29	
32 31 19 00-0064	EA		6' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	894.60	27.40
			<i>For Solid Pickets, Add</i>	195.11	
			<i>For Aluminum With Satin Finish, Add</i>	231.32	
			<i>For Third Rail, Add</i>	60.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.22	
			<i>For Color, Add</i>	40.61	
32 31 19 00-0065	EA		7' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,071.27	32.20
			<i>For Solid Pickets, Add</i>	233.79	
			<i>For Aluminum With Satin Finish, Add</i>	277.92	
			<i>For Third Rail, Add</i>	73.10	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
			<i>For Color, Add</i>	48.73	
32 31 19 00-0066	EA		8' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,210.07	36.69
			<i>For Solid Pickets, Add</i>	264.01	
			<i>For Aluminum With Satin Finish, Add</i>	313.49	
			<i>For Third Rail, Add</i>	82.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.00	
			<i>For Color, Add</i>	55.00	
32 31 19 00-0067	EA		9' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,331.05	41.40
			<i>For Solid Pickets, Add</i>	290.16	
			<i>For Aluminum With Satin Finish, Add</i>	343.38	
			<i>For Third Rail, Add</i>	90.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.68	
			<i>For Color, Add</i>	60.34	
32 31 19 00-0068	EA		10' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,461.30	46.12
			<i>For Solid Pickets, Add</i>	318.40	
			<i>For Aluminum With Satin Finish, Add</i>	376.06	
			<i>For Third Rail, Add</i>	99.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.28	
			<i>For Color, Add</i>	66.14	
32 31 19 00-0069			7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0070	EA		4' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	773.98	22.99
			<i>For Solid Pickets, Add</i>	168.96	
			<i>For Aluminum With Satin Finish, Add</i>	201.09	
			<i>For Third Rail, Add</i>	52.87	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.49	
			<i>For Color, Add</i>	35.24	
32 31 19 00-0071	EA		5' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	860.43	24.19
			<i>For Solid Pickets, Add</i>	188.15	
			<i>For Aluminum With Satin Finish, Add</i>	225.45	
			<i>For Third Rail, Add</i>	59.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.78	
			<i>For Color, Add</i>	39.39	
32 31 19 00-0072	EA		6' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	942.49	29.43
			<i>For Solid Pickets, Add</i>	205.43	
			<i>For Aluminum With Satin Finish, Add</i>	242.99	
			<i>For Third Rail, Add</i>	64.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.41	
			<i>For Color, Add</i>	42.71	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0073 EA 7' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,160.63 253.39 301.70 79.30 105.73 52.87	34.45
32 31 19 00-0074 EA 8' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,383.67 302.40 361.53 94.85 126.46 63.23	39.61
32 31 19 00-0075 EA 9' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,419.37 309.31 365.50 96.40 128.54 64.27	44.63
32 31 19 00-0076 EA 10' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,559.50 339.66 400.46 105.73 140.97 70.49	49.87
32 31 19 00-0077 8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0078 EA 4' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	862.68 188.49 225.11 59.09 78.78 39.39	24.93
32 31 19 00-0079 EA 5' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	974.94 213.10 254.91 66.86 89.15 44.57	27.78
32 31 19 00-0080 EA 6' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,006.52 219.39 259.50 68.41 91.22 45.61	31.45
32 31 19 00-0081 EA 7' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,254.04 273.62 325.00 85.52 114.02 57.01	37.89
32 31 19 00-0082 EA 8' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,480.08 323.08 384.39 101.07 134.76 67.38	44.10
32 31 19 00-0083 EA 9' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,541.01 335.33 393.90 104.18 138.90 69.45	50.61
32 31 19 00-0084 EA 10' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,643.39 356.90 415.86 110.39 147.19 73.60	57.13
32 31 19 00-0085 Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>		
32 31 19 00-0086 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	19.31 0.43	
32 31 19 00-0087 Remove And Reinstall Ornamental Fences <small>(32 31 19)</small>		
Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0088 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	33.69	
32 31 19 00-0089 LF Removal And Reinstallation Of Ornamental Fence 6' To 12' Height.....	56.15	

32 31 26 Wire Fences And Gates (32 31)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 00-0001			Chicken Wire (32 31 26) Note: Posts at 4'.		
32 31 26 00-0002	LF		1" Mesh, 4' High Chicken Wire Posts At 4'.....	5.94	1.33
32 31 26 00-0003	LF		2" Mesh, 6' High Chicken Wire Posts At 4'.....	6.56	1.33
32 31 26 00-0004			Galvanized Steel (32 31 26)		
32 31 26 00-0005			12 Gauge, 2" x 4" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.		
32 31 26 00-0006	LF		3' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.13	1.33
32 31 26 00-0007	LF		5' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.58	1.33
32 31 26 00-0008			14 Gauge, 1" x 2" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.		
32 31 26 00-0009	LF		3' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.04	1.33
32 31 26 00-0010	LF		5' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.44	1.33
32 31 26 00-0011			Wire And Screen (32 31 26)		
32 31 26 00-0012			Wire And Screen For Partitions And Fences (32 31 26 00-0011) Note: Excludes framing and post.		
32 31 26 00-0013			Screen Wire (32 31 26 00-0012)		
32 31 26 00-0014	SF		Screen Wire, 48" Wide Rolls.....	2.11	0.76
32 31 26 00-0015			Hog Wire (32 31 26 00-0012)		
32 31 26 00-0016	SF		4" x 4" Hog Wire For Fencing.....	1.52	0.61
32 31 26 00-0017	SF		6" x 6" Hog Wire For Fencing.....	1.59	0.69
32 31 26 00-0018			Screen For Partitions And Ceilings (32 31 26 00-0011) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0019	SF		1" Mesh Chicken Wire.....	1.34	
32 31 26 00-0020			Wicket Fence (32 31 26)		
32 31 26 00-0021	LF		Steel Wicket Fence, Painted.....	42.56	3.92
32 31 29			Wood Fences And Gates (32 31)		
32 31 29 00-0001			Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF		6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	25.66	2.46
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.54	
32 31 29 00-0003	LF		6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	17.84	2.46
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.17	
32 31 29 00-0004			Board Fence (32 31 29) Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	15.45	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-1.87	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.40	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.06	
32 31 29 00-0006	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	16.99	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-2.02	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.59	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.16	
32 31 29 00-0007	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	18.50	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-2.13	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.71	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.24	
32 31 29 00-0008	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	19.60	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-2.24	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.83	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.31	
32 31 29 00-0009	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	20.75	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-2.34	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.95	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.38	
32 31 29 00-0010	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	16.14	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-1.90	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.42	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.09	
32 31 29 00-0011	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	17.52	2.46
			<i>For 1" x 6" Boards, Deduct</i>	-2.05	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.60	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0012 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	18.50	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.13	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.71	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.24	
32 31 29 00-0013 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	19.60	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.24	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.83	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.31	
32 31 29 00-0014 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	20.75	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.34	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.95	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.38	
32 31 29 00-0015 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	16.14	2.46
<i>For 1" x 6" Boards, Deduct</i>	-1.90	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.42	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.09	
32 31 29 00-0016 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	19.87	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.14	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.67	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.30	
32 31 29 00-0017 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	20.75	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.22	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.78	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.35	
32 31 29 00-0018 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	22.12	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.34	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.91	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.44	
32 31 29 00-0019 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar.....	23.56	2.46
<i>For 1" x 6" Boards, Deduct</i>	-2.45	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.04	
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.52	
32 31 29 00-0020 Shadow Box^(32 31 29)		
Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	16.62	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.09	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	20.29	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.32	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	21.60	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.40	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	23.18	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.50	
32 31 29 00-0025 Open Rail Fence^(32 31 29)		
32 31 29 00-0026 Post And Rail Fence, Ranch Style^(32 31 29 00-0025)		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.54	2.46
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.02	2.46
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	15.27	2.46
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	12.90	2.46
32 31 29 00-0031 Split Rail Fence^(32 31 29 00-0025)		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.15	2.46
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.00	2.46
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	14.52	2.46
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	13.12	2.46
32 31 29 00-0036 Picket Fence^(32 31 29)		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated.....	14.25	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.01	
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar.....	13.90	2.46
<i>For Screwing Of Boards Instead Of Nails, Add</i>	0.99	
32 31 29 00-0039 Wood Gate^(32 31 29)		
32 31 29 00-0040 Board Fence Gates, Pressure Treated Wood^(32 31 29 00-0039)		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	242.60	91.49
32 31 29 00-0042 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	264.32	96.98
32 31 29 00-0043 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	293.35	106.12
32 31 29 00-0044 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	324.60	111.62
32 31 29 00-0045 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	355.85	117.11
32 31 29 00-0046 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	313.08	120.77
32 31 29 00-0047 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	336.00	126.25
32 31 29 00-0048 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	358.89	131.74
32 31 29 00-0049 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	393.72	137.24

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0050 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	422.59	142.73
32 31 29 00-0051 Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	315.30	77.15
32 31 29 00-0053 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	328.13	81.78
32 31 29 00-0054 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	348.34	89.50
32 31 29 00-0055 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	367.14	94.13
32 31 29 00-0056 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	389.51	98.76
32 31 29 00-0057 EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	382.57	101.85
32 31 29 00-0058 EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	397.79	106.47
32 31 29 00-0059 EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	418.96	111.11
32 31 29 00-0060 EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	440.15	115.73
32 31 29 00-0061 EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	461.33	120.36
32 31 29 00-0062 Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063 EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	333.19	77.15
32 31 29 00-0064 EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	348.41	81.78
32 31 29 00-0065 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	369.80	89.50
32 31 29 00-0066 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	390.98	94.13
32 31 29 00-0067 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	412.17	98.76
32 31 29 00-0068 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	406.41	101.85
32 31 29 00-0069 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	421.64	106.47
32 31 29 00-0070 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	442.81	111.11
32 31 29 00-0071 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	464.00	115.73
32 31 29 00-0072 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	491.14	120.36
32 31 29 00-0073 Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock, 32 31 13 00-0633 for barbed wire, 32 31 56 00-0014 for barbed wire.		
32 31 29 00-0074 EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	23.51	9.15
32 31 29 00-0075 EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	25.40	9.15
32 31 29 00-0076 EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete	42.76	17.56
32 31 29 00-0077 EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete	44.91	17.56
32 31 56 Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001 Barbed Wire Fences <small>(32 31 56)</small>		
See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock.		
32 31 56 00-0002 Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003 Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004 EA Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.03	5.99
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		102.69
32 31 56 00-0005 EA Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.36	5.99
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		136.64
32 31 56 00-0006 Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007 EA Barbed Wire Fence Post, Galvanized Grouted In Rock.....	62.72	5.99
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		100.72
32 31 56 00-0008 EA Barbed Wire Fence Post, Vinyl Coated Grouted In Rock.....	83.05	5.99
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		134.67
32 31 56 00-0009 Post Driven Into Dirt <small>(32 31 56 00-0002)</small>		
Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010 EA 3' Metal Posts, Driven Into Earth.....	20.25	
32 31 56 00-0011 EA 4' Metal Posts, Driven Into Earth.....	22.43	
32 31 56 00-0012 EA 5' Metal Posts, Driven Into Earth.....	25.36	
32 31 56 00-0013 EA 6' Metal Posts, Driven Into Earth.....	27.55	
32 31 56 00-0014 Barbed Wire <small>(32 31 56 00-0001)</small>		
Note: Per strand.		
32 31 56 00-0015 LF Barbed Wire, Galvanized Per Strand.....	0.65	0.30
32 31 56 00-0016 LF Barbed Wire, Vinyl Coated Per Strand.....	0.69	0.30
32 31 56 00-0017 Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0018 LF Barbed Wire, Standard 3 Strand Fence With Posts	7.93	1.50



Exterior Improvements	32	32
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 Retaining Walls (32 30)

32 32 13 Cast-In-Place Concrete Retaining Wall (32 32)

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF 4' High With Base, 10" Thick Reinforced	267.88		98.00
	<i>For >1:3 Sloped Soil At Top, Add</i>	6.12		
32 32 13 00-0002	LF 6' High With Base, 10" Thick Reinforced	334.15		120.59
	<i>For >1:3 Sloped Soil At Top, Add</i>	7.90		
32 32 13 00-0003	LF 8' High With Base, 10" Thick Reinforced	363.97		130.08
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.83		
32 32 13 00-0004	LF 10' High With Base, 13" Thick Reinforced	463.60		160.83
	<i>For >1:3 Sloped Soil At Top, Add</i>	12.07		
32 32 13 00-0005	LF 12' High With Base, 14" Thick Reinforced	534.29		184.73
	<i>For >1:3 Sloped Soil At Top, Add</i>	14.00		
32 32 13 00-0006	LF 16' High With Base, 16" Thick Reinforced	772.96		271.00
	<i>For >1:3 Sloped Soil At Top, Add</i>	19.64		
32 32 13 00-0007	LF 20' High With Base, 18" Thick Reinforced	1,061.15		374.14
	<i>For >1:3 Sloped Soil At Top, Add</i>	26.59		
32 32 13 00-0008	LF 4' High With Base, 12" Thick Reinforced	294.37		107.02
	<i>For >1:3 Sloped Soil At Top, Add</i>	6.83		
32 32 13 00-0009	LF 6' High With Base, 12" Thick Reinforced	360.31		128.95
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.71		
32 32 13 00-0010	LF 8' High With Base, 12" Thick Reinforced	381.50		134.55
	<i>For >1:3 Sloped Soil At Top, Add</i>	9.55		
32 32 13 00-0011	LF 10' High With Base, 16" Thick Reinforced	524.78		180.32
	<i>For >1:3 Sloped Soil At Top, Add</i>	13.95		
32 32 13 00-0012	LF 12' High With Base, 18" Thick Reinforced	665.41		231.62
	<i>For >1:3 Sloped Soil At Top, Add</i>	17.18		
32 32 13 00-0013	LF 16' High With Base, 21" Thick Reinforced	997.83		351.09
	<i>For >1:3 Sloped Soil At Top, Add</i>	25.14		
32 32 13 00-0014	LF 20' High With Base, 24" Thick Reinforced	1,408.22		495.59
	<i>For >1:3 Sloped Soil At Top, Add</i>	35.45		

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001 Precast Retaining Walls (32 32 16)

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	37.01		9.27
32 32 16 00-0003	SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	36.66		7.45
32 32 16 00-0004	SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	37.05		6.21
32 32 16 00-0005	SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	39.74		6.21
32 32 16 00-0006	SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	41.24		5.30

32 32 23 Segmental Retaining Walls (32 32)

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)

32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)

Note: Includes installation, material and manufacture's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0003	SF Up To 4' Height "Amastone" Type Modular Retaining Wall System	42.18		6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.52		
32 32 23 13-0004	SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	44.50		6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.66		
32 32 23 13-0005	SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System	46.52		7.24
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.72		
32 32 23 13-0006	SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System	48.64		7.90
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.79		

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0008	SF Up To 4' Height "Diamond" Type Modular Retaining Wall System	43.73		6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.65		
32 32 23 13-0009	SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System	46.05		6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.79		
32 32 23 13-0010	SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System	48.07		7.24
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.86		
32 32 23 13-0011	SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System	50.19		7.90
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.92		

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0013	SF Up To 4' Height "Keystone" Type Modular Retaining Wall System	47.44		6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.97		
32 32 23 13-0014	SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System	49.75		6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.11		

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System	51.77	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.17	
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System	53.90	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.24	
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System	42.18	6.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.52	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System	44.50	6.58
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.66	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System	46.52	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.72	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System	48.64	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.79	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.48	6.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.12	
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	41.34	6.58
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.39	
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	43.39	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.46	
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	45.23	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.50	
32 32 23 13-0027			Cap Block Restoration <small>(32 32 23 13-0001)</small>		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Cap Block And Pins	20.67	
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.01	
32 32 26			Metal Crib Retaining Walls <small>(32 32)</small>		
32 32 26 00-0001			Aluminized Steel Bin <small>(32 32 26)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF		4' High, 5.5' Deep Aluminized Steel Bin	25.89	3.64
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.58	
			<i>For Galvanized Type, Deduct</i>	-1.86	
32 32 26 00-0003	SF		8' High, 5.5' Deep Aluminized Steel Bin	28.80	3.64
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.82	
			<i>For Galvanized Type, Deduct</i>	-2.15	
32 32 26 00-0004	SF		10' High, 7.7' Deep Aluminized Steel Bin	30.76	3.98
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.94	
			<i>For Galvanized Type, Deduct</i>	-2.29	
32 32 26 00-0005	SF		12' High, 7.7' Deep Aluminized Steel Bin	35.03	4.49
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.22	
			<i>For Galvanized Type, Deduct</i>	-2.61	
32 32 26 00-0006	SF		16' High, 7.7' Deep Aluminized Steel Bin	33.89	4.66
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.10	
			<i>For Galvanized Type, Deduct</i>	-2.47	
32 32 26 00-0007	SF		16' High, 9.9' Deep Aluminized Steel Bin	37.56	4.74
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.39	
			<i>For Galvanized Type, Deduct</i>	-2.82	
32 32 26 00-0008	SF		20' High, 9.9' Deep Aluminized Steel Bin	41.55	4.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.68	
			<i>For Galvanized Type, Deduct</i>	-3.15	
32 32 26 00-0009	SF		20' High, 12.1' Deep Aluminized Steel Bin	42.58	5.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.73	
			<i>For Galvanized Type, Deduct</i>	-3.22	
32 32 26 00-0010	SF		24' High, 12.1' Deep Aluminized Steel Bin	44.68	5.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.91	
			<i>For Galvanized Type, Deduct</i>	-3.42	
32 32 26 00-0011	SF		24' High, 14.3' Deep Aluminized Steel Bin	46.77	5.33
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.08	
			<i>For Galvanized Type, Deduct</i>	-3.62	
32 32 26 00-0012	SF		28' High, 14.3' Deep Aluminized Steel Bin	48.29	5.42
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.19	
			<i>For Galvanized Type, Deduct</i>	-3.75	
32 32 29			Timber Retaining Walls <small>(32 32)</small>		
32 32 29 00-0001			Wood Post Retaining Walls <small>(32 32 29)</small>		
			Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood	50.27	19.68
			<i>For >1:3 Sloped Soil At Top, Add</i>	0.93	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32	32	29	00-0003 LF 4" x 4", 2' High, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	98.42 1.82	38.54
	32	32	29	00-0004 LF 4" x 4", 1' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	48.87 0.81	19.68
	32	32	29	00-0005 LF 4" x 4", 2' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	95.70 1.59	38.54
	32	32	29	00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	44.95 0.89	17.20
	32	32	29	00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	87.93 1.75	33.63
	32	32	29	00-0008 LF 4" x 4", 1' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	39.80 0.79	15.26
	32	32	29	00-0009 LF 4" x 4", 2' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	71.98 1.42	27.62
	32	32	29	00-0010 LF 6 x 6, 2' High, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	129.16 3.04	46.69
	32	32	29	00-0011 LF 6 x 6, 4' High, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	254.53 6.09	91.51
	32	32	29	00-0012 LF 6 x 6, 2' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	127.60 2.91	46.69
	32	32	29	00-0013 LF 6 x 6, 4' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	250.64 5.75	91.51
	32	32	29	00-0014 LF 6 x 6, 2' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	109.32 2.84	37.91
	32	32	29	00-0015 LF 6 x 6, 4' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	216.69 5.69	74.86
	32	32	29	00-0016 LF 6 x 6, 2' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	87.54 2.28	30.31
	32	32	29	00-0017 LF 6 x 6, 4' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	171.95 4.53	59.32
	32	32	29	00-0018 LF 8 x 8, 4' High, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	309.00 9.06	101.18
	32	32	29	00-0019 LF 8 x 8, 6' High, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	577.71 17.00	188.89
	32	32	29	00-0020 LF 8 x 8, 4' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	301.22 8.40	101.18
	32	32	29	00-0021 LF 8 x 8, 6' High, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	562.93 15.74	188.89
	32	32	29	00-0022 LF 8 x 8, 4' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	312.83 6.75	116.71
	32	32	29	00-0023 LF 8 x 8, 6' High, Pressure Treated Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	583.79 12.57	217.96
	32	32	29	00-0024 LF 8 x 8, 4' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	252.87 5.46	94.33
	32	32	29	00-0025 LF 8 x 8, 6' High, Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	469.00 10.12	175.01
	32	32	29	00-0026 LF Random Diameter Poles, Cedar 4' High <i>For >1:3 Sloped Soil At Top, Add</i>	97.27 1.65	38.88
	32	32	29	00-0027 LF Random Diameter Poles, Cedar 6' High <i>For >1:3 Sloped Soil At Top, Add</i>	145.52 2.45	58.36
	32	32	29	00-0028 LF Random Diameter Poles, Cedar 8' High <i>For >1:3 Sloped Soil At Top, Add</i>	193.71 3.24	77.76
	32	32	29	00-0029 LF Random Diameter Poles, 4' High Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	63.03 1.62	21.96
	32	32	29	00-0030 LF Random Diameter Poles, 6' High Creosoted Lumber <i>For >1:3 Sloped Soil At Top, Add</i>	91.43 2.38	31.70
	32	32	29	00-0031 LF Random Diameter Poles, 8' High <i>For >1:3 Sloped Soil At Top, Add</i>	123.71 3.24	42.82
	32	32	29	00-0032 Post And Board Retaining Walls <small>(32 32 29)</small> Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
	32	32	29	00-0033 LF 4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking <i>For >1:3 Sloped Soil At Top, Add</i>	37.46 1.20	11.67
	32	32	29	00-0034 LF 4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	58.95 1.62	19.96
	32	32	29	00-0035 LF 6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	76.46 2.28	24.80
	32	32	29	00-0036 LF 6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	107.20 3.14	35.15
	32	32	29	00-0037 LF 6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	140.06 4.13	45.72
	32	32	29	00-0038 LF 8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	285.21 8.86	90.47
	32	32	29	00-0039 LF 8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood <i>For >1:3 Sloped Soil At Top, Add</i>	320.99 10.25	100.21
	32	32	29	00-0040 LF 4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	38.25 1.18	12.15
	32	32	29	00-0041 LF 4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	67.31 2.05	21.62
	32	32	29	00-0042 LF 6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar <i>For >1:3 Sloped Soil At Top, Add</i>	66.14 2.02	21.20

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0043 LF 6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar.....	93.19	30.46
For >1:3 Sloped Soil At Top, Add	2.74	
32 32 29 00-0044 LF 6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar.....	145.92	48.62
For >1:3 Sloped Soil At Top, Add	4.13	
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	114.79	37.36
For >1:3 Sloped Soil At Top, Add	3.41	
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	294.89	93.37
For >1:3 Sloped Soil At Top, Add	9.19	
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	52.92	22.44
For >1:3 Sloped Soil At Top, Add	0.68	
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	76.15	31.91
For >1:3 Sloped Soil At Top, Add	1.05	
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	108.93	43.79
For >1:3 Sloped Soil At Top, Add	1.82	
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	189.45	73.90
For >1:3 Sloped Soil At Top, Add	3.54	
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	191.40	73.90
For >1:3 Sloped Soil At Top, Add	3.70	
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	180.93	70.99
For >1:3 Sloped Soil At Top, Add	3.31	
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	423.11	163.34
For >1:3 Sloped Soil At Top, Add	8.20	
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	52.92	22.44
For >1:3 Sloped Soil At Top, Add	0.68	
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	76.15	31.91
For >1:3 Sloped Soil At Top, Add	1.05	
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	108.93	43.79
For >1:3 Sloped Soil At Top, Add	1.82	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	136.56	54.49
For >1:3 Sloped Soil At Top, Add	2.35	
32 32 29 00-0058 LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking.....	189.45	73.90
For >1:3 Sloped Soil At Top, Add	3.54	
32 32 29 00-0059 LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking.....	180.93	70.99
For >1:3 Sloped Soil At Top, Add	3.31	
32 32 29 00-0060 LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking.....	423.11	163.34
For >1:3 Sloped Soil At Top, Add	8.20	
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' ^(32 32 29)		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062 Redwood ^(32 32 29 00-0061)		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall.....	66.54	23.90
For >1:3 Sloped Soil At Top, Add	1.59	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	151.73	54.49
For >1:3 Sloped Soil At Top, Add	3.64	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	227.25	81.70
For >1:3 Sloped Soil At Top, Add	5.42	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	213.98	70.03
For >1:3 Sloped Soil At Top, Add	6.28	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	321.42	105.04
For >1:3 Sloped Soil At Top, Add	9.46	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	424.07	138.12
For >1:3 Sloped Soil At Top, Add	12.57	
32 32 29 00-0069 Cedar ^(32 32 29 00-0061)		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall.....	65.76	23.90
For >1:3 Sloped Soil At Top, Add	1.52	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	149.40	54.49
For >1:3 Sloped Soil At Top, Add	3.44	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	224.14	81.70
For >1:3 Sloped Soil At Top, Add	5.16	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	208.53	70.03
For >1:3 Sloped Soil At Top, Add	5.82	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	313.64	105.04
For >1:3 Sloped Soil At Top, Add	8.80	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	413.17	138.12
For >1:3 Sloped Soil At Top, Add	11.64	
32 32 29 00-0076 Creosoted Wood ^(32 32 29 00-0061)		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall.....	76.69	31.70
For >1:3 Sloped Soil At Top, Add	1.13	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	175.87	72.93
For >1:3 Sloped Soil At Top, Add	2.55	
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	260.65	107.94
For >1:3 Sloped Soil At Top, Add	3.80	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	353.62	146.83
For >1:3 Sloped Soil At Top, Add	5.09	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	514.92	213.88
For >1:3 Sloped Soil At Top, Add	7.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	683.12 9.86	283.57
32 32 29 00-0083 Pressure Treated Wood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall <i>For >1:3 Sloped Soil At Top, Add</i>	57.04 1.49	19.75
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	129.56 3.41	44.75
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	194.14 5.09	67.13
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	216.26 4.66	80.74
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	324.51 7.08	120.65
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >1:3 Sloped Soil At Top, Add</i>	430.54 9.33	160.43
32 32 53 Stone Retaining Walls <small>(32 32)</small>		
32 32 53 00-0001 Stone Retaining Walls <small>(32 32 53)</small> Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002 Stone Retaining Walls <small>(32 32 53 00-0001)</small> Note: Stone at \$16.00/ton.		
32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	320.92 2.09	148.16
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	379.40 2.28	176.27
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	499.74 2.67	234.19
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	772.89 3.44	366.17
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	1,005.94 4.07	478.99
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	1,249.48 4.80	596.47
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	286.90 2.09	131.18
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	337.27 2.28	155.21
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	437.56 2.67	203.06
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	672.80 3.44	316.15
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	865.54 4.07	408.82
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	1,076.30 4.80	509.92
32 32 53 00-0015 Stone Retaining Walls <small>(32 32 53 00-0001)</small> Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	328.33 2.72	148.16
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	389.67 3.15	176.27
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	514.58 3.93	234.19
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	794.57 5.29	366.17
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	1,035.61 6.60	478.99
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >1:3 Sloped Soil At Top, Add</i>	1,287.14 8.00	596.47
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	294.31 2.72	131.18
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	347.54 3.15	155.21
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	452.40 3.93	203.06
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	694.48 5.29	316.15
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	895.21 6.60	408.82
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	1,113.96 8.00	509.92
32 32 53 00-0028 Stone Retaining Walls <small>(32 32 53 00-0001)</small> Note: Stone at \$48.00/ton.		

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	336.32	148.16
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.39	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	399.82	176.27
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.02	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	528.84	234.19
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.14	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	816.26	366.17
			<i>For >1:3 Sloped Soil At Top, Add</i>	7.13	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,065.28	478.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.12	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,325.37	596.47
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.25	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	302.30	131.18
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.39	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	357.81	155.21
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.03	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	466.66	203.06
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.14	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	716.17	316.15
			<i>For >1:3 Sloped Soil At Top, Add</i>	7.13	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	924.88	408.82
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.12	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,152.19	509.92
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.25	
32 32 53 00-0041			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	344.31	148.16
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	398.80	176.27
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.93	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	544.25	234.19
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.45	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	839.08	366.17
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.07	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,096.09	478.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.74	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,364.17	596.47
			<i>For >1:3 Sloped Soil At Top, Add</i>	14.55	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	310.29	131.18
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	368.08	155.21
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.90	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	482.07	203.06
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.45	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	738.99	316.15
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.07	
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	955.69	408.82
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.74	
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,190.99	509.92
			<i>For >1:3 Sloped Soil At Top, Add</i>	14.55	
32 35 Screening Devices (32 30)					
32 35 16 Sound Barriers (32 35)					
32 35 16 00-0001			Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns (32 35 16)		
			Note: Installed on steel supports. Finish to be determined by owner (ribbed, pattereded, stamped, exposed aggregate or smooth)		
32 35 16 00-0002			4" Thick (32 35 16 00-0001)		
32 35 16 00-0003	LF		6' High x 4" Thick Precast Concrete Sound Walls.....	97.63	18.20
32 35 16 00-0004	LF		7' High x 4" Thick Precast Concrete Sound Walls.....	105.94	20.31
32 35 16 00-0005	LF		8' High x 4" Thick Precast Concrete Sound Walls.....	115.31	22.01
32 35 16 00-0006	LF		9' High x 4" Thick Precast Concrete Sound Walls.....	123.26	23.69
32 35 16 00-0007	LF		10' High x 4" Thick Precast Concrete Sound Walls.....	130.36	25.39
32 35 16 00-0008	LF		11' High x 4" Thick Precast Concrete Sound Walls.....	139.88	26.23
32 35 16 00-0009	LF		12' High x 4" Thick Precast Concrete Sound Walls.....	149.06	27.50
32 35 16 00-0010			6" Thick (32 35 16 00-0001)		
32 35 16 00-0011	LF		6' High x 6" Thick Precast Concrete Sound Walls.....	116.30	21.16
32 35 16 00-0012	LF		7' High x 6" Thick Precast Concrete Sound Walls.....	126.16	23.69
32 35 16 00-0013	LF		8' High x 6" Thick Precast Concrete Sound Walls.....	137.34	26.23
32 35 16 00-0014	LF		9' High x 6" Thick Precast Concrete Sound Walls.....	146.78	27.93
32 35 16 00-0015	LF		10' High x 6" Thick Precast Concrete Sound Walls.....	155.24	29.61
32 35 16 00-0016	LF		11' High x 6" Thick Precast Concrete Sound Walls.....	166.62	30.89
32 35 16 00-0017	LF		12' High x 6" Thick Precast Concrete Sound Walls.....	177.59	32.16



		Exterior Improvements	32
		Site Improvements	32 30
		Screening Devices	32 35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0018			8" Thick <small>(32 35 16 00-0001)</small>		
32 35 16 00-0019	LF		6' High x 8" Thick Precast Concrete Sound Walls	140.01	25.39
32 35 16 00-0020	LF		7' High x 8" Thick Precast Concrete Sound Walls	151.83	27.93
32 35 16 00-0021	LF		8' High x 8" Thick Precast Concrete Sound Walls	165.29	30.46
32 35 16 00-0022	LF		9' High x 8" Thick Precast Concrete Sound Walls	176.63	33.00
32 35 16 00-0023	LF		10' High x 8" Thick Precast Concrete Sound Walls	186.80	35.12
32 35 16 00-0024	LF		11' High x 8" Thick Precast Concrete Sound Walls	200.57	36.39
32 35 16 00-0025	LF		12' High x 8" Thick Precast Concrete Sound Walls	213.84	38.08
32 35 16 00-0026			Redwood Top <small>(32 35 16 00-0001)</small>		
32 35 16 00-0027	LF		2" x 6" Redwood, Construction Grade/Rough.....	3.11	0.76
32 35 16 00-0028	LF		2" x 8" Redwood, Construction Grade/Rough.....	3.62	1.00
32 35 16 00-0029	LF		2" x 10" Redwood, Construction Grade/Rough.....	5.52	1.22
32 35 16 00-0030	LF		2" x 12" Redwood, Construction Grade/Rough.....	6.66	1.52
32 35 16 00-0031	LF		2" x 6" Redwood, Con Heart/Smooth.....	3.78	0.76
32 35 16 00-0032	LF		2" x 8" Redwood, Con Heart/Smooth.....	5.45	1.00
32 35 16 00-0033	LF		2" x 10" Redwood, Con Heart/Smooth.....	7.21	1.22
32 35 16 00-0034	LF		2" x 12" Redwood, Con Heart/Smooth.....	8.68	1.52
32 35 16 00-0035			Precast Concrete Barrier Rails And Posts <small>(32 35 16)</small>		
			Note: Posts are 5' on center. Excludes drilling holes and foundations. See CSI section 32 31 13 00-0001 for drilling holes and foundations.		
32 35 16 00-0036	LF		6' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	51.14	9.76
32 35 16 00-0037	LF		7' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	58.17	10.25
32 35 16 00-0038	LF		8' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	65.27	10.73
32 35 16 00-0039	LF		9' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	73.06	11.86
32 35 16 00-0040	LF		10' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	80.28	12.34
32 39			Manufactured Site Specialties <small>(32 39)</small>		
32 39 13			Manufactured Metal Bollards <small>(32 39)</small>		
32 39 13 00-0001			Metal Pipe Bollards <small>(32 39 13)</small>		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated <small>(32 39 13 00-0001)</small>		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	32.34	8.68
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	20.25	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	93.36	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	71.25	
			For Schedule 80, Add	3.98	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	40.99	8.68
			For Galvanized Steel, Add	4.02	
			For 304 Stainless Steel, Add	31.93	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	93.36	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	71.25	
			For Schedule 80, Add	5.28	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	56.75	10.84
			For Galvanized Steel, Add	5.96	
			For 304 Stainless Steel, Add	47.36	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	124.68	
			For Each Sleeve For Removable, Lockable Bollard, Add	109.82	
			For Schedule 80, Add	7.43	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	74.02	13.01
			For Galvanized Steel, Add	8.16	
			For 304 Stainless Steel, Add	64.80	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	142.08	
			For Each Sleeve For Removable, Lockable Bollard, Add	118.17	
			For Schedule 80, Add	9.80	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	94.25	17.34
			For Galvanized Steel, Add	10.13	
			For 304 Stainless Steel, Add	80.42	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	191.95	
			For Each Sleeve For Removable, Lockable Bollard, Add	163.54	
			For Schedule 80, Add	12.40	
32 39 13 00-0008			Cast Bollards <small>(32 39 13 00-0001)</small>		
32 39 13 00-0009	EA		36" Cast Aluminum Bollard, Black Powder Coat Finish..... Note: 8-1/2" diameter, embedded mounting plate, all colors.	939.20	52.02
32 39 13 00-0010	EA		36" Cast Aluminum Removable Bollard, Black Powder Coat Finish..... Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	1,567.23	52.02

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0011 EA 36" Cast Iron Bollard, Powder Coat Finish.....	800.34	52.02
Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012 EA 36" Cast Iron Removable Bollard, Black Powder Coat Finish.....	1,432.10	52.02
Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 16 Manufactured Concrete Bollards (32 39)		
32 39 16 00-0001 Concrete Bollards (32 39 16)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 16 00-0002 Concrete Bollard, Exposed Aggregate (32 39 16 00-0001)		
32 39 16 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	439.90	69.37
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	439.90	69.37
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 19 Manufactured Wood Bollards (32 39)		
32 39 19 00-0001 Wood Bollards (32 39 19)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 19 00-0002 Wood Bollard, Pressure Treated Timber (32 39 19 00-0001)		
32 39 19 00-0003 LF 4" x 4", Pressure Treated Wood Bollard	16.61	6.94
For Each Sleeve For Removable, Lockable Bollard, Add	73.70	
32 39 19 00-0004 LF 6" x 6", Pressure Treated Wood Bollard	19.48	6.94
For Each Sleeve For Removable, Lockable Bollard, Add	73.70	
32 39 19 00-0005 LF 8" x 8", Pressure Treated Wood Bollard	25.57	7.81
For Each Sleeve For Removable, Lockable Bollard, Add	115.19	
32 39 19 00-0006 LF 10" x 10", Pressure Treated Wood Bollard	36.35	10.40
For Each Sleeve For Removable, Lockable Bollard, Add	125.19	
32 39 19 00-0007 LF 12" x 12", Pressure Treated Wood Bollard	50.11	13.88
For Each Sleeve For Removable, Lockable Bollard, Add	176.57	
32 39 23 Manufactured Plastic Bollards (32 39)		
32 39 23 00-0001 Plastic Bollards (32 39 23)		
See CSI section 32 31 13 00-0001 for augering and filling holes for bollards., 32 31 13 00-0018 for concrete fill.		
32 39 23 00-0002 Recycled Plastic Bollards (32 39 23 00-0001)		
32 39 23 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	188.39	34.68
Note: Includes anchor bolts.		
32 39 23 00-0004 EA 6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	294.35	34.68
32 39 23 00-0005 Plastic Bollard Covers (32 39 23 00-0001)		
32 39 23 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	47.30	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	51.30	8.70
For Reflective Tape, Add	5.00	
32 39 23 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	63.05	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	63.05	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	70.40	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	63.05	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	64.10	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	63.05	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	64.10	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	88.25	7.90
For Reflective Tape, Add	5.00	
32 39 23 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	64.63	8.70
For Reflective Tape, Add	5.00	
32 39 23 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	81.43	8.70
For Reflective Tape, Add	5.00	
32 39 23 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	92.25	8.70
For Reflective Tape, Add	5.00	
32 39 23 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	78.81	9.49
For Reflective Tape, Add	5.00	
32 39 23 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe.....	85.11	9.49
For Reflective Tape, Add	5.00	
32 39 23 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	85.11	9.49
For Reflective Tape, Add	5.00	
32 39 23 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe.....	113.47	9.49
For Reflective Tape, Add	5.00	



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 26 Manufactured Stone Bollards (32 39)		
32 39 26 00-0001 Stone Bollards (32 39 26)		
See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 26 00-0002 Granite Bollards (32 39 26 00-0001)		
32 39 26 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish.....	933.34	86.71
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 26 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish.....	1,182.33	121.40
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 26 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top.....	579.63	86.71
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 26 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish.....	857.21	69.37
Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 26 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section.....	1,278.63	69.37
Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		
32 80 Irrigation (32)		
32 84 Planting Irrigation (32 80)		
32 84 13 Drip Irrigation (32 84)		
32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)		
32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003 EA 3/4", Shut-Off Ball Valve For Drip Emitter Irrigation Systems.....	34.31	8.12
32 84 13 00-0004 EA 3/4", Check Valve For Drip Emitter Irrigation Systems.....	43.63	8.12
32 84 13 00-0005 EA 1", Check Valve For Drip Emitter Irrigation Systems.....	46.85	8.12
32 84 13 00-0006 EA Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems.....	55.09	8.12
32 84 13 00-0007 EA 3/4", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	61.42	8.12
32 84 13 00-0008 EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	61.18	8.12
32 84 13 00-0009 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	59.42	8.12
32 84 13 00-0010 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	88.29	8.12
32 84 13 00-0011 Drip Emitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0012 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems.....	122.08	8.12
32 84 13 00-0013 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems.....	123.24	8.12
32 84 13 00-0014 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems.....	45.02	8.12
32 84 13 00-0015 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems.....	45.95	8.12
32 84 13 00-0016 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems.....	132.94	8.12
32 84 13 00-0017 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems.....	59.05	8.12
32 84 13 00-0018 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems.....	66.34	8.12
32 84 13 00-0019 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emitter Irrigation Systems.....	71.35	8.12
32 84 13 00-0020 EA 1" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emitter Irrigation Systems.....	79.32	8.12
32 84 13 00-0021 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0022 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems.....	44.08	8.12
32 84 13 00-0023 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems.....	44.08	8.12
32 84 13 00-0024 EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems.....	44.08	8.12
32 84 13 00-0025 EA 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems.....	51.75	8.12
32 84 13 00-0026 Drip Emitter Irrigation Tubing (32 84 13 00-0001)		
Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0027 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters.....	2.76	1.14
32 84 13 00-0028 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters.....	2.76	1.30
32 84 13 00-0029 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems.....	2.40	1.14
<i>For Shallow Trenching And Backfill By Hand, Add</i>		
	4.66	
32 84 13 00-0030 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems.....	2.77	1.30
<i>For Shallow Trenching And Backfill By Hand, Add</i>		
	5.06	
32 84 13 00-0031 Drip Emitter Irrigation Fittings (32 84 13 00-0001)		
32 84 13 00-0032 EA 1/4", Barbed Coupling For Irrigation Tubing.....	2.19	
32 84 13 00-0033 EA 1/4", Barbed Elbow For Irrigation Tubing.....	2.22	
32 84 13 00-0034 EA 1/4", Barbed Tee For Irrigation Tubing.....	2.27	
32 84 13 00-0035 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing.....	2.54	
32 84 13 00-0036 EA 1/4", Plug For Irrigation Tubing.....	2.16	
32 84 13 00-0037 EA 1/2", Barbed Coupling For Irrigation Tubing.....	2.61	
<i>For Compression Fitting, Add</i>		
	0.58	
32 84 13 00-0038 EA 1/2", Barbed Elbow For Irrigation Tubing.....	2.64	
<i>For Compression Fitting, Add</i>		
	0.61	
32 84 13 00-0039 EA 1/2", Barbed Tee For Irrigation Tubing.....	2.66	
<i>For Compression Fitting, Add</i>		
	0.63	
32 84 13 00-0040 EA 1/2", Barbed Male Adapter For Irrigation Tubing.....	2.58	
<i>For Compression Fitting, Add</i>		
	0.55	
32 84 13 00-0041 EA 1/2", Barbed Cross For Irrigation Tubing.....	2.69	
<i>For Compression Fitting, Add</i>		
	0.66	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0042 EA 1/2", Plug For Irrigation Tubing	2.91	
32 84 13 00-0043 EA 6" Soil Staple For Irrigation Tubing	1.69	
32 84 13 00-0044 Drip Emitters (32 84 13 00-0001)		
32 84 13 00-0045 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems	4.54	
32 84 13 00-0046 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems	5.68	
32 84 13 00-0047 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems	11.94	
32 84 13 00-0048 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0049 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems	17.71	7.32
32 84 13 00-0050 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems	17.75	7.32
32 84 13 00-0051 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems	21.09	7.32
32 84 13 00-0052 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems	21.31	7.32
32 84 13 00-0053 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems	30.73	9.59
Note: Includes nozzle.		
32 84 13 00-0054 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems	33.73	9.59
Note: Includes nozzle.		
32 84 13 00-0055 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems	36.04	9.59
Note: Includes nozzle.		
32 84 13 00-0056 Subsurface Drip Emitter Irrigation Tubing (Rainbird XFS) (32 84 13 00-0001)		
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0057 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rainbird XFS Copper Shield).....	3.13	1.42
32 84 23 Underground Sprinklers (32 84)		
32 84 23 00-0001 Sprinkler Heads (32 84 23)		
32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)		
Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0004 EA 3" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0005 EA 4" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0006 EA 6" Pop-Up Height, Spray Sprinkler Head	32.35	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0007 EA 12" Pop-Up Height, Spray Sprinkler Head	39.50	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0008 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve	28.09	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0009 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve	37.98	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0010 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve	43.22	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0011 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	29.74	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0012 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	40.98	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0013 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	45.35	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0014 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	32.29	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0015 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	43.94	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0016 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	48.18	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0017 EA Bubbler Head With Screen, 1/2" NPT	20.90	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0018 EA Pressure Compensating Bubbler With Screen, 1/2" NPT	23.47	8.98
32 84 23 00-0019 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0020 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head	37.06	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0022 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	40.71	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0023 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0024 EA 12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head	74.82	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0025 EA 5" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	56.78	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026 EA 12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	78.13	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head.....	37.62	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head.....	52.34	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head.....	63.58	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	41.16	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0032 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	54.65	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0033 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	66.39	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0034 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator.....	45.49	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0035 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator.....	59.48	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0036 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator.....	70.77	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0037 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....	49.44	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0038 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....	62.29	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0039 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....	74.54	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0040 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve.....	40.04	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0041 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....	45.49	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0042 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0043 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head.....	69.76	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
For Stainless Steel Riser And High Speed Rotor, Add	40.01	
32 84 23 00-0044 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0045 EA 5" Pop-Up Height, 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Head.....	98.42	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0046 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0047 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head.....	104.04	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0048 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0049	EA		3" Pop-Up Height, 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Head <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	166.92 2.00 9.00	8.98
32 84 23 00-0050			Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0051	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head <i>For Non-Potable Cover, Add</i>	48.51 2.00	8.98
32 84 23 00-0052	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head With Pressure Regulator <i>For Non-Potable Cover, Add</i>	51.50 2.00	8.98
32 84 23 00-0053	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head.....	38.44	8.98
32 84 23 00-0054	EA		1/2" Inlet, Up To 41' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....	67.57	8.98
32 84 23 00-0055	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....	107.15	8.98
32 84 23 00-0056	EA		1" Inlet, Up To 65' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....	274.58	8.98
32 84 23 00-0057			Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0058			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 5 to 125 PSI.		
32 84 23 00-0059	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve	108.44	37.42
32 84 23 00-0060	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve	108.44	37.42
32 84 23 00-0061	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve	109.56	37.42
32 84 23 00-0062			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (32 84 23 00-0057) Note: 5 to 125 PSI.		
32 84 23 00-0063	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control	110.12	37.42
32 84 23 00-0064	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve With Flow Control.....	111.25	37.42
32 84 23 00-0065			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 20 to 200 PSI.		
32 84 23 00-0066	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	198.91	37.42
32 84 23 00-0067	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	237.12	37.42
32 84 23 00-0068	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	296.69	37.42
32 84 23 00-0069			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (32 84 23 00-0057) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0070	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	296.41	42.05
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	334.62	42.05
32 84 23 00-0072	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	394.19	42.05
32 84 23 00-0073			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (32 84 23 00-0057) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	339.12	42.05
32 84 23 00-0075	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	396.43	42.05
32 84 23 00-0076	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	450.38	42.05
32 84 23 00-0077			5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure.		
32 84 23 00-0078	EA		3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	251.00	37.42
32 84 23 00-0079	EA		1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	271.96	37.42
32 84 23 00-0080	EA		1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	324.78	37.42
32 84 23 00-0081	EA		1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	352.88	37.42
32 84 23 00-0082	EA		2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	422.56	37.42
32 84 23 00-0083	EA		2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	581.77	45.50
32 84 23 00-0084	EA		3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	658.18	50.51
32 84 23 00-0085			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0086	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	385.76	42.05
32 84 23 00-0087	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve.....	441.95	42.05
32 84 23 00-0088	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	466.67	42.05
32 84 23 00-0089	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve.....	531.86	42.05



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0090	5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (32 84 23 00-0057)	
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0091 EA 3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	338.10	37.42
32 84 23 00-0092 EA 1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	359.06	37.42
32 84 23 00-0093 EA 1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	411.88	37.42
32 84 23 00-0094 EA 1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	439.98	37.42
32 84 23 00-0095 EA 2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	509.66	37.42
32 84 23 00-0096 EA 2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	668.87	45.50
32 84 23 00-0097 EA 3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	745.28	50.51
32 84 23 00-0098	5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (32 84 23 00-0057)	
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0099 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	472.86	42.05
32 84 23 00-0100 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	529.05	42.05
32 84 23 00-0101 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator.....	553.77	42.05
32 84 23 00-0102 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	618.96	42.05
32 84 23 00-0103	Irrigation Valve Boxes (32 84 23)	
Note: Includes lid.		
32 84 23 00-0104 EA 6" Round Irrigation Valve Box.....	65.60	26.94
32 84 23 00-0105 EA 7" Round Irrigation Valve Box.....	77.85	26.94
32 84 23 00-0106 EA 10" Round Irrigation Valve Box.....	102.95	35.48
32 84 23 00-0107 EA 21.8" x 16.6" Rectangular Irrigation Valve Box	148.93	51.78
32 84 23 00-0108 EA 26.3" x 19.8" Rectangular Irrigation Valve Box	173.29	51.78
32 84 23 00-0109 EA 33.1" x 23.8" Rectangular Irrigation Valve Box	264.74	51.78
32 84 23 00-0110 EA 40.3" x 27.1" Rectangular Irrigation Valve Box	384.04	51.78
32 84 23 00-0111	Irrigation Controllers (32 84 23)	
See CSI section 27 14 13 16-0072 for low voltage wiring.		
32 84 23 00-0112	Irrigation Controllers (32 84 23 00-0111)	
32 84 23 00-0113	Two Program, Indoor Mount, Hybrid Irrigation Controllers (32 84 23 00-0112)	
Note: Station timing: 0 to 99 minutes. Automatic starts: 3 per day per program. Programming schedule: 2, 3 or 5-day fixed cycle or 7-day variable cycle. Includes plastic indoor cabinet.		
32 84 23 00-0114 EA 4-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	199.77	26.60
32 84 23 00-0115 EA 6-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	252.14	26.60
32 84 23 00-0116 EA 8-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	303.82	26.60
32 84 23 00-0117	Three Program, Indoor Mount, Modular Irrigation Controllers (32 84 23 00-0112)	
Note: Station timing: 0 to 6 hours. Automatic starts: 4 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes plastic indoor cabinet.		
32 84 23 00-0118	Three Program, Indoor Mount, Modular Irrigation Controllers (32 84 23 00-0117)	
32 84 23 00-0119 EA 4-Station, Three Program, Indoor Mount, Modular Irrigation Controller	205.40	26.60
<i>For Outdoor Installations, Add</i>		<i>36.93</i>
32 84 23 00-0120 EA 7-Station, Three Program, Indoor Mount, Modular Irrigation Controller	289.03	26.60
<i>For Outdoor Installations, Add</i>		<i>41.90</i>
32 84 23 00-0121 EA 10-Station, Three Program, Indoor Mount, Modular Irrigation Controller	372.63	26.60
<i>For Outdoor Installations, Add</i>		<i>46.87</i>
32 84 23 00-0122 EA 13-Station, Three Program, Indoor Mount, Modular Irrigation Controller	456.26	26.60
<i>For Outdoor Installations, Add</i>		<i>51.84</i>
32 84 23 00-0123	Accessories For Three Program Modular Irrigation Controllers (32 84 23 00-0117)	
32 84 23 00-0124 EA 3-Station Expansion Module For Three Program Modular Irrigation Controllers.....	136.81	
Note: Use task for increasing capacity of existing three program modular irrigation controllers up to a maximum of 13-stations.		
32 84 23 00-0125	Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers (32 84 23 00-0112)	
Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 99 days. Includes powder coated steel wall mount cabinet.		
32 84 23 00-0126	Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers (32 84 23 00-0125)	
32 84 23 00-0127 EA 8-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	669.67	26.60
32 84 23 00-0128 EA 12-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	729.51	26.60
32 84 23 00-0129 EA 16-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,130.90	26.60
32 84 23 00-0130 EA 24-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,250.58	26.60
32 84 23 00-0131 EA 28-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,880.12	26.60
32 84 23 00-0132 EA 32-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,939.96	26.60
32 84 23 00-0133 EA 36-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,496.60	26.60

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0134 EA 40-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,556.44	26.60
32 84 23 00-0135 Accessories For Four Program Hybrid Irrigation Controllers (32 84 23 00-0125)		
32 84 23 00-0136 EA Stainless Steel Pedestal For Four Program Hybrid Irrigation Controllers Note: Excludes concrete foundation.	675.00	
32 84 23 00-0137 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (32 84 23 00-012) Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes weather-resistant plastic cabinet.		
32 84 23 00-0138 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (32 84 23 00-0137)		
32 84 23 00-0139 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	413.17	26.60
32 84 23 00-0140 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	517.56	26.60
32 84 23 00-0141 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	619.93	26.60
32 84 23 00-0142 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	724.31	26.60
32 84 23 00-0143 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	826.68	26.60
32 84 23 00-0144 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	931.07	26.60
32 84 23 00-0145 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	1,033.43	26.60
32 84 23 00-0146 Accessories For Four Program Modular Irrigation Controllers (32 84 23 00-0137)		
32 84 23 00-0147 EA Metal Cabinet For Four Program Modular Irrigation Controllers	295.99	
32 84 23 00-0148 EA Metal Cabinet With Pedestal For Four Program Modular Irrigation Controllers	699.30	
Note: Excludes concrete foundation.		
32 84 23 00-0149 EA ET Manager, Weather-Based Irrigation Control Module For Four Program Modular Irrigation Controllers.....	505.24	
32 84 23 00-0150 EA Satellite Remote Control Module With RS232 Communication For Four Program Modular Irrigation Controllers	587.59	
32 84 23 00-0151 EA Satellite Remote Control Module With Phone And RS232 Communication For Four Program Modular Irrigation Controllers	624.71	
32 84 23 00-0152 EA 4-Station Expansion Module For Four Program Modular Irrigation Controllers..... Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	204.12	
32 84 23 00-0153 EA 8-Station Expansion Module For Four Program Modular Irrigation Controllers..... Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	353.03	
32 84 23 00-0154 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0112) Note: Station timing: 1 minute to 12 hours. Automatic starts: 8 per day per program. Dependent programming schedule options: odd day watering, odd-31 day watering, even day watering or 1 to 6 day cycles.		
32 84 23 00-0155 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0154)		
32 84 23 00-0156 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	227.61	26.60
32 84 23 00-0157 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	302.13	26.60
32 84 23 00-0158 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	400.55	26.60
32 84 23 00-0159 Accessories For Three Program Buriable Irrigation Control Modules (32 84 23 00-0154)		
32 84 23 00-0160 EA Field Transmitter For Three Program Buriable Irrigation Control Modules.....	201.82	
32 84 23 00-0161 EA Potted Latching Solenoid For Three Program Buriable Irrigation Control Modules.....	61.60	19.95
32 84 23 00-0162 Accessories For Irrigation Controllers (32 84 23 00-0112)		
32 84 23 00-0163 EA Wired Rain Sensor For Irrigation Controllers	104.80	19.95
32 84 23 00-0164 EA Automatic Rain Shutoff Sensor For Irrigation Controllers	134.12	19.95
Note: Includes adjustable sensing probes.		
32 84 23 00-0165 Weather-Based Irrigation Management Systems (32 84 23 00-0111)		
32 84 23 00-0166 ET Manager, Weather-Based Irrigation Management System (32 84 23 00-0165) Note: ET Managers interface with existing irrigation controllers or two-wire decoder systems. The system receives hourly weather data from local weather station broadcasts via an internal antenna.		
32 84 23 00-0167 EA ET Manager, Weather-Based Irrigation Management System.....	789.07	26.60
32 84 23 00-0168 EA 120 Volt AC Transformer For ET Manager, Weather-Based Irrigation Management System..... Note: External antenna for areas with a weak paging signal.	46.80	13.29
32 84 23 00-0169 EA Tipping Rain Gauge For ET Manager, Weather-Based Irrigation Management System.....	218.84	26.60
32 84 23 00-0170 EA Remote Antenna Kit For ET Manager, Weather-Based Irrigation Management System	245.84	29.92
Note: External antenna for areas with a weak paging signal.		
32 84 23 00-0171 EA Outdoor Enclosure For ET Manager, Weather-Based Irrigation Management System.....	244.47	19.95
32 84 23 00-0172 Two-Wire Decoder Systems (32 84 23 00-0111)		
32 84 23 00-0173 Controllers For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0174 EA 50-Station, Modular Controller For Two-Wire Decoder Systems	2,019.44	26.60
Note: Expandable up to 200-stations with expansion modules. Includes water resistant cabinet.		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0175			Field Decoders For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0176	EA		One Individual Valve Interface, Field Decoder For Two-Wire Decoder System.....	161.58	26.60
32 84 23 00-0177	EA		One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System.....	203.57	26.60
32 84 23 00-0178	EA		Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System.....	298.14	26.60
32 84 23 00-0179	EA		Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System.....	353.26	26.60
32 84 23 00-0180	EA		Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System.....	566.10	26.60
32 84 23 00-0181			Accessories For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0182	EA		50-Station, Expansion Module For Two-Wire Decoder Controllers..... Note: Use task for increasing capacity of existing two-wire decoder system controllers up to a maximum of 200-stations.	967.05	
32 84 23 00-0183	EA		Line Surge Protection For Two-Wire Decoder Systems	123.39	23.27
32 84 23 00-0184	EA		Sensor Decoder Interface For Two-Wire Decoder Systems	479.53	26.60
32 84 23 00-0185			Calsense Controllers (32 84 23 00-0111)		
32 84 23 00-0186			Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0187	EA		6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	1,397.19	66.49
32 84 23 00-0188	EA		8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	1,796.01	74.80
32 84 23 00-0189	EA		12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	2,453.56	83.11
32 84 23 00-0190	EA		16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	2,694.64	83.11
32 84 23 00-0191	EA		24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	3,181.68	91.42
32 84 23 00-0192	EA		32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	3,828.48	91.42
32 84 23 00-0193	EA		40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	4,333.14	99.74
32 84 23 00-0194	EA		48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	4,844.70	99.74
32 84 23 00-0195	EA		Upgrade Existing Calsense Controller To ET2000E Model (Calsense ET2000E-UPGRADE)	1,402.87	33.25
32 84 23 00-0196	EA		Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	601.04	33.25
32 84 23 00-0197			Irrigation Controller Accessories (32 84 23 00-0185)		
32 84 23 00-0198	EA		Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	56.45	
32 84 23 00-0199	EA		Spare Lock For Enclosures (Calsense PAD).....	61.15	
32 84 23 00-0200	EA		Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	77.77	8.31
32 84 23 00-0201	EA		Transformer For Irrigation Controllers (Calsense TR-1).....	125.29	33.25
32 84 23 00-0202	EA		AC Line Protection For Irrigation Controllers (Calsense TP-110).....	307.57	33.25
32 84 23 00-0203	EA		Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)..... <i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	401.65 335.77	33.25
32 84 23 00-0204			Sensors For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0205			Flow Sensors (32 84 23 00-0204)		
32 84 23 00-0206	EA		1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	699.51 -338.01	49.86
32 84 23 00-0207	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	723.03 -361.53	49.86
32 84 23 00-0208	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	746.55 -385.05	49.86
32 84 23 00-0209	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	832.71 -471.00	66.49
32 84 23 00-0210	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	891.51 -529.80	66.49
32 84 23 00-0211	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	915.03 -553.32	66.49
32 84 23 00-0212	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,067.91 -577.92	66.49
32 84 23 00-0213	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)..... Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	819.14 -329.15	33.25
32 84 23 00-0214			Moisture Sensors (32 84 23 00-0204)		
32 84 23 00-0215	EA		Soil Moisture Sensor (Calsense 1000-S).....	296.82	24.93
32 84 23 00-0216			Weather Sensors (32 84 23 00-0204)		
32 84 23 00-0217	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	809.19	66.49
32 84 23 00-0218	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	965.68	132.98
32 84 23 00-0219	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG).....	1,816.47	99.74
32 84 23 00-0220			Weather Sensor Accessories (32 84 23 00-0204)		
32 84 23 00-0221	EA		Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	536.89	
32 84 23 00-0222	EA		Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	995.54	
32 84 23 00-0223	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	536.89	33.25
32 84 23 00-0224	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,203.38	33.25

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0225			Antennas For Irrigation Controllers (32 84 23 00-0185) Note: Excludes antenna cable.		
32 84 23 00-0226	EA		Local Radio Dome Antenna (Calsense LR-DOME)	289.93	33.25
32 84 23 00-0227	EA		Local Radio Stick Antenna (Calsense LR-STICK)	413.41	33.25
32 84 23 00-0228	EA		Local Radio Yagi Antenna (Calsense LR-YAGI)	479.90	66.49
32 84 23 00-0229	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	289.93	33.25
32 84 23 00-0230	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	289.93	33.25
32 84 23 00-0231	EA		GPRS Stubby Antenna (Calsense GR-STUBBY)	289.93	33.25
32 84 23 00-0232	EA		GPRS Stick Antenna (Calsense GR-STICK)	413.41	33.25
32 84 23 00-0233	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME)	289.93	33.25
32 84 23 00-0234	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK)	413.41	33.25
32 84 23 00-0235	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	479.90	66.49
32 84 23 00-0236	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	289.93	33.25
32 84 23 00-0237	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	289.93	33.25
32 84 23 00-0238	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	289.93	33.25
32 84 23 00-0239	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY)	289.93	33.25
32 84 23 00-0240	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB)	7.62	0.40
32 84 23 00-0241	EA		Surge Protection Device For Antenna (Calsense ANT-PROT)	280.21	16.62
32 84 23 00-0242	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIPS).....	460.45	33.25
32 84 23 00-0243	EA		3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	382.20	
32 84 23 00-0244	EA		Local Radio Frequency Filter (Calsense LR-FILTER)	540.96	
32 84 23 00-0245	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER)	399.84	
32 84 23 00-0246			Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0247	EA		15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	276.14	49.86
32 84 23 00-0248	EA		Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	647.32	83.11
32 84 23 00-0249	EA		Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	683.90	33.25
			Note: Includes GFI and receptacle.		
32 84 23 00-0250	EA		Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	808.39	24.93
			Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0251	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	2,502.64	24.93
			Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0252	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)	2,825.24	24.93
			Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0253	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,107.26	49.86
			Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0254	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,303.71	49.86
			Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0255	EA		Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	144.91	
32 84 23 00-0256	EA		Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	467.34	
32 84 23 00-0257			Central Computer For Irrigation Control Systems (32 84 23 00-0185)		
32 84 23 00-0258	EA		Central Computer For Irrigation Control Systems (Calsense COMP-2).....	3,156.19	
			Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0259	EA		Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,572.35	
32 84 23 00-0260	EA		Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,075.62	
			Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0261	EA		>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,104.69	
			Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0262	EA		Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,384.28	
32 84 23 00-0263	EA		GPRS Radio For Use At Central Computer (Calsense DTR-G).....	2,020.60	
32 84 23 00-0264			Data Access Service (32 84 23 00-0185)		
32 84 23 00-0265	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	17.11	
			Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0266	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	187.09	
			Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0267	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	801.82	
			Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0268	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)	69.49	
			Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0269	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)	748.37	
			Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0270	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)	3,207.30	
			Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0271			Communication Options For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0272	EA		FCC License Fee (Calsense).....	124.12	
32 84 23 00-0273	EA		P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	231.03	
			Note: Per frequency or frequency pair.		
32 84 23 00-0274	EA		Hardware Communication Option For Irrigation Controllers (Calsense M)	620.08	
			Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0275	EA		Phone Line Communication Option For Irrigation Controllers (Calsense R)	652.15	
32 84 23 00-0276	EA		Ethernet Communication Option For Irrigation Controllers (Calsense EN)	652.15	



Exterior Improvements		32
	Irrigation	32 80
	Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0277 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,336.38	
32 84 23 00-0278 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,699.87	
32 84 23 00-0279 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,699.87	
32 84 23 00-0280 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,699.87	
32 84 23 00-0281 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,452.41	
32 84 23 00-0282 EA Communication Hub For Irrigation Controllers (Calsense HUB)	2,109.98	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0283 Retrofit Options For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0284 Weather Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0285 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	852.28	
32 84 23 00-0286 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	852.28	
32 84 23 00-0287 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	852.28	
32 84 23 00-0288 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	852.28	
32 84 23 00-0289 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0290 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	895.04	
32 84 23 00-0291 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,055.41	
32 84 23 00-0292 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,680.83	
32 84 23 00-0293 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0294 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,001.95	
32 84 23 00-0295 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,092.43	
32 84 23 00-0296 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	2,712.51	
32 84 23 00-0297 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0298 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,001.95	
32 84 23 00-0299 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,092.43	
32 84 23 00-0300 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,712.51	
32 84 23 00-0301 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0302 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,001.95	
32 84 23 00-0303 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,055.41	
32 84 23 00-0304 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,680.83	
32 84 23 00-0305 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0306 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,001.95	
32 84 23 00-0307 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,092.43	
32 84 23 00-0308 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,712.51	
32 84 23 00-0309 Radio Remote Units For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0310 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,007.30	
32 84 23 00-0311 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)	211.68	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0312 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	90.87	
32 84 23 00-0313 EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	166.29	
32 84 23 00-0314 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)	107.49	8.31
Note: Excludes antenna cable.		
32 84 23 00-0315 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)	203.71	8.31
Note: Excludes antenna cable.		
32 84 23 00-0316 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	219.75	8.31
Note: Excludes antenna cable.		
32 84 23 00-0317 Satellite Irrigation Controllers (Rainbird ESP-SAT) (32 84 23 00-0111)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0318 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP12SATLS)	2,406.58	149.60
32 84 23 00-0319 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP24SATLS)	2,538.04	157.91
32 84 23 00-0320 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP40SATLS)	3,493.85	166.22

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0321 Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0322 Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(32 84 23 00-0321)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0323 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	397.34	30.89
32 84 23 00-0324 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	472.35	37.72
32 84 23 00-0325 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	702.79	43.90
32 84 23 00-0326 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	746.12	50.40
32 84 23 00-0327 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	899.42	65.04
32 84 23 00-0328 Brass Quick-Coupling Irrigation Valves <small>(32 84 23 00-0321)</small>		
32 84 23 00-0329 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve	131.80	26.94
For Valve Key, Add	39.85	
32 84 23 00-0330 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve	141.91	26.94
For Locking Cover, Add	25.00	
For Valve Key, Add	39.85	
32 84 23 00-0331 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve	190.24	26.94
For Valve Key, Add	87.87	
32 84 23 00-0332 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve	216.09	26.94
For Locking Cover, Add	25.00	
For Valve Key, Add	87.87	
32 84 23 00-0333 Anti-Siphon Pressure Type Vacuum Breaker <small>(32 84 23 00-0321)</small>		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0334 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker	133.44	22.76
32 84 23 00-0335 EA 1" Anti-Siphon Pressure Type Vacuum Breaker	185.32	26.02
32 84 23 00-0336 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker	321.75	30.08
32 84 23 00-0337 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker	390.64	33.33
32 84 23 00-0338 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	399.49	40.64
32 84 23 00-0339 Irrigation Piping <small>(32 84 23)</small>		
32 84 23 00-0340 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.09	0.94
For >1,000, Deduct	-0.10	
32 84 23 00-0341 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.51	1.12
For >1,000, Deduct	-0.13	
32 84 23 00-0342 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.61	1.42
For >1,000, Deduct	-0.18	
32 84 23 00-0343 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.68	1.78
For >1,000, Deduct	-0.23	
32 84 23 00-0344 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.77	2.09
For >1,000, Deduct	-0.29	
32 84 23 00-0345 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.75	0.75
For >1,000, Deduct	-0.09	
32 84 23 00-0346 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.19	0.94
For >1,000, Deduct	-0.11	
32 84 23 00-0347 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.67	1.12
For >1,000, Deduct	-0.13	
32 84 23 00-0348 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting	3.57	1.42
For >1,000, Deduct	-0.18	
32 84 23 00-0349 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	4.51	1.78
For >1,000, Deduct	-0.23	
32 84 23 00-0350 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting	5.65	2.09
For >1,000, Deduct	-0.28	
32 84 23 00-0351 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting	7.91	2.99
For >1,000, Deduct	-0.40	
32 84 23 00-0352 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	1.82	0.75
For >1,000, Deduct	-0.09	
32 84 23 00-0353 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.28	0.94
For >1,000, Deduct	-0.11	
32 84 23 00-0354 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.81	1.12
For >1,000, Deduct	-0.14	
32 84 23 00-0355 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fitting	3.86	1.42
For >1,000, Deduct	-0.19	
32 84 23 00-0356 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	4.99	1.78
For >1,000, Deduct	-0.25	
32 84 23 00-0357 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fitting	6.27	2.09
For >1,000, Deduct	-0.31	
32 84 23 00-0358 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fitting	8.78	2.99
For >1,000, Deduct	-0.44	
32 84 23 00-0359 LF 1/2" Poly Pipe, 100 PSI, Non NSF	1.36	0.81
For >1,000, Deduct	-0.07	
32 84 23 00-0360 LF 3/4" Poly Pipe, 100 PSI, Non NSF	1.43	0.85
For >1,000, Deduct	-0.07	
32 84 23 00-0361 LF 1" Poly Pipe, 100 PSI, Non NSF	1.72	0.99
For >1,000, Deduct	-0.09	
32 84 23 00-0362 LF 1-1/4" Poly Pipe, 100 PSI, Non NSF	2.07	1.15
For >1,000, Deduct	-0.10	
32 84 23 00-0363 LF 1-1/2" Poly Pipe, 100 PSI, Non NSF	2.40	1.30
For >1,000, Deduct	-0.12	



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0364	LF		2" Poly Pipe, 100 PSI, Non NSF <i>For >1,000, Deduct</i>	3.12 -0.16	1.60
32 84 23 00-0365	LF		3/4" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	1.94 -0.10	0.85
32 84 23 00-0366	LF		1" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	2.34 -0.12	0.99
32 84 23 00-0367	LF		1-1/4" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	2.96 -0.15	1.15
32 84 23 00-0368	LF		1-1/2" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	3.50 -0.18	1.30
32 84 23 00-0369	LF		2" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	4.75 -0.24	1.60
32 84 23 00-0370	LF		3/4" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	1.46 -0.07	0.85
32 84 23 00-0371	LF		1" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	1.75 -0.09	0.99
32 84 23 00-0372	LF		1-1/4" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.13 -0.11	1.15
32 84 23 00-0373	LF		1-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.50 -0.13	1.30
32 84 23 00-0374	LF		2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	3.26 -0.16	1.60
32 84 23 00-0375	LF		2-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	4.30 -0.22	1.87
32 84 23 00-0376	LF		3" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	4.69 -0.23	2.05
32 84 23 00-0377			Irrigation Swing Joints <small>(32 84 23)</small>		
32 84 23 00-0378	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint	110.25	37.42
32 84 23 00-0379	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint	115.34	37.42
32 84 23 00-0380	EA		1" Male NPT, 18" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint	118.83	37.42
32 84 23 00-0381	EA		1-1/2" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint	137.39	37.42
32 84 23 00-0382	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 45 PSI Pressure Regulator	132.70	37.42
32 84 23 00-0383	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator	137.62	37.42
32 84 23 00-0384			Irrigation Control Wire <small>(32 84 23)</small> Note: Excludes excavation and backfill.		
32 84 23 00-0385			18 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0384)</small>		
32 84 23 00-0386	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.35	11.22
32 84 23 00-0387	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	41.59	13.09
32 84 23 00-0388	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	47.81	14.97
32 84 23 00-0389	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	54.57	16.84
32 84 23 00-0390	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	61.89	18.71
32 84 23 00-0391	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	73.06	20.58
32 84 23 00-0392	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.81	22.45
32 84 23 00-0393	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	91.02	24.33
32 84 23 00-0394	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	99.69	26.19
32 84 23 00-0395	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	109.49	28.06
32 84 23 00-0396	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	113.77	29.94
32 84 23 00-0397	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	118.61	31.81
32 84 23 00-0398	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	125.21	33.67
32 84 23 00-0399			16 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0384)</small>		
32 84 23 00-0400	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	33.81	11.22
32 84 23 00-0401			14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0384)</small>		
32 84 23 00-0402	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	33.82	11.22
32 84 23 00-0403			12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0384)</small>		
32 84 23 00-0404	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	43.49	11.22
32 84 23 00-0405			10 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0384)</small>		
32 84 23 00-0406	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	55.74	11.22
32 84 23 00-0407			Root Watering Systems <small>(32 84 23)</small> Note: Includes swing assembly.		
32 84 23 00-0408	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	62.75 3.87	14.97
32 84 23 00-0409	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	67.30 3.87	14.97
32 84 23 00-0410	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	62.75 3.87	14.97
32 84 23 00-0411	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	67.30 3.87	14.97

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0412	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	67.30 3.87	14.97
32 84	23 00-0413	EA	2 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	67.30 3.87	14.97
32 84	23 00-0414	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System..... <i>For Root Watering Sand Sock, Add</i>	54.48 3.50	13.09
32 84	23 00-0415	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	58.86 3.50	13.09
32 84	23 00-0416	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System..... <i>For Root Watering Sand Sock, Add</i>	54.48 3.50	13.09
32 84	23 00-0417	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	58.86 3.50	13.09
32 84	23 00-0418	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System..... <i>For Root Watering Sand Sock, Add</i>	37.50 3.13	11.22
32 84	23 00-0419	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System <i>For Root Watering Sand Sock, Add</i>	41.67 3.13	11.22

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)

32 91 13 Soil Preparation ^(32 91)

32 91 13 16 Mulching ^(32 91 13)

32 91 13 16-0001 Mulch ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	74.52 9.90 -6.20 -8.68 -13.63
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	73.52 9.90 -6.15 -8.63 -13.58
32 91 13 16-0004	CY	Pine Wood Chip Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	71.52 9.90 -6.05 -8.53 -13.48
32 91 13 16-0005	CY	Hardwood Chip Mulch..... <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	77.52 9.90 -6.35 -8.83 -13.78
32 91 13 16-0006	CY	Shredded Hardwood Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	75.52 9.90 -6.25 -8.73 -13.68
32 91 13 16-0007	CY	Shredded Pine Mulch..... <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	66.52 9.90 -5.80 -8.28 -13.23
32 91 13 16-0008	CY	Shredded Cedar Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	86.02 9.90 -6.78 -9.25 -14.21
32 91 13 16-0009	CY	Shredded Cypress Mulch..... <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	84.52 9.90 -6.70 -9.18 -14.13
32 91 13 16-0010	CY	Shredded Redwood Mulch..... <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	88.52 9.90 -6.90 -9.38 -14.33
32 91 13 16-0011	CY	Stone/Gravel Mulch <i>For Work On Slopes >1 To 2.5, Add</i> <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	168.52 9.90 -10.90 -13.38 -18.33



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0012 CY Pea Gravel Mulch.....	72.36	
For Work On Slopes >1 To 2.5, Add	9.90	
For >5 To 20, Deduct	-6.09	
For >20 To 50, Deduct	-8.57	
For >50, Deduct	-13.52	
32 91 13 16-0013 CY Chunk Recycled Tire Mulch.....	133.03	
For Work On Slopes >1 To 2.5, Add	12.61	
For >5 To 20, Deduct	-9.80	
For >20 To 50, Deduct	-12.95	
For >50, Deduct	-19.26	
32 91 13 16-0014 CY Chunk Colored Recycled Tire Mulch	202.03	
For Work On Slopes >1 To 2.5, Add	12.61	
For >5 To 20, Deduct	-13.25	
For >20 To 50, Deduct	-16.40	
For >50, Deduct	-22.71	
32 91 13 16-0015 CY Shredded Recycled Tire Mulch.....	203.03	
For Work On Slopes >1 To 2.5, Add	12.61	
For >5 To 20, Deduct	-13.30	
For >20 To 50, Deduct	-16.45	
For >50, Deduct	-22.76	
32 91 13 16-0016 CY Shredded Colored Recycled Tire Mulch	341.03	
For Work On Slopes >1 To 2.5, Add	12.61	
For >5 To 20, Deduct	-20.20	
For >20 To 50, Deduct	-23.35	
For >50, Deduct	-29.66	
32 91 13 16-0017 BALE Pine Straw Mulch.....	6.48	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For Work On Slopes >1 To 2.5, Add	0.60	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.80	
32 91 13 16-0018 BALE Wheat Straw Mulch.....	6.36	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For Work On Slopes >1 To 2.5, Add	0.45	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.75	
32 91 13 16-0019 CY Stone Mulch, Decomposed Granite	94.06	
For Work On Slopes >1 To 2.5, Add	9.90	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001	Plant Bed Preparation <small>(32 91 13 26)</small>	
	Note: Not for use when installing trees and shrubs.	
32 91 13 26-0002	SF Prepare Plant Bed, Up To 8" Deep By Machine	0.80
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	0.16
32 91 13 26-0003	SF Prepare Plant Bed, 9" To 13" Deep By Machine.....	0.92
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	0.18
32 91 13 26-0004	SF Prepare Plant Bed, 14" To 18" Deep By Machine.....	1.09
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	0.22
32 91 13 26-0005	SF Prepare Plant Bed By Hand, Up To 8" Deep	3.84
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	0.77
32 91 13 26-0006	SF Prepare Plant Bed By Hand, 9" To 13" Deep.....	4.41
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	0.88
32 91 13 26-0007	SF Prepare Plant Bed By Hand, 14" To 18" Deep.....	5.20
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >1 To 2.5, Add	1.04
32 91 13 26-0008	Planting Pit Preparation <small>(32 91 13 26)</small>	
	Note: Not for use when installing trees and shrubs.	
32 91 13 26-0009	CY Excavate Planting Pit By Hand, Sandy Soil	66.49
	Note: For use with existing planting pits.	
	For Work On Slopes >1 To 2.5, Add	13.30
32 91 13 26-0010	CY Excavate Planting Pit By Hand, Heavy Soil	132.98
	Note: For use with existing planting pits.	
	For Work On Slopes >1 To 2.5, Add	26.60
32 91 13 26-0011	CY Excavate Planting Pit By Machine, Sandy Soil	9.45
	Note: For use with existing planting pits.	
	For Work On Slopes >1 To 2.5, Add	1.89

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	12.30	
			<i>For Work On Slopes >1 To 2.5, Add</i>	2.46	
32 91	13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile <i>For Work On Slopes >1 To 2.5, Add</i>	59.08 11.82	
32 91	13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix..... <i>For Work On Slopes >1 To 2.5, Add</i>	66.78 8.87	
32 91	13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile <i>For Work On Slopes >1 To 2.5, Add</i>	5.43 1.09	
32 91	13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix..... <i>For Work On Slopes >1 To 2.5, Add</i>	26.96 0.91	
32 91	13 26-0017		Weed Barrier (32 91 13 26)		
32 91	13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier <i>For Work On Slopes >1 To 2.5, Add</i>	1.33 0.11	
32 91	13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier..... <i>For Work On Slopes >1 To 2.5, Add</i>	1.75 0.11	
32 91	13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier <i>For Work On Slopes >1 To 2.5, Add</i>	1.93 0.11	
32 91	13 33		Soil Conditioners (32 91 13)		
32 91	13 33-0001		Spread Soil Conditioners (32 91 13 33)		
32 91	13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.41	
32 91	13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	39.56	
32 91	13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader.....	0.05	
32 91	13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread.....	7.23	
32 91	13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.67	
32 91	13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....	0.09	
32 91	13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader.....	7.13	
32 91	13 33-0009	SY	Lusoil, 3 LB/SY, Push Spreader.....	0.67	
32 91	13 33-0010	MSF	Lusoil, 3 LB/SY, Tractor Spreader.....	69.35	
32 91	13 33-0011	SY	Manure, 18 LB/SY, Push Spreader.....	2.34	
32 91	13 33-0012	MSF	Manure, 18 LB/SY, Tractor Spreader.....	255.12	
32 91	13 33-0013	SY	Perlite, 1" Deep, Push Spreader.....	3.63	
32 91	13 33-0014	MSF	Perlite, 1" Deep, Tractor Spreader.....	377.80	
32 91	13 33-0015	SY	Vermiculite, Push Spreader.....	3.37	
32 91	13 33-0016	MSF	Vermiculite, Tractor Spreader.....	369.04	
32 91	13 36		Lawn Bed Preparation (32 91 13)		
32 91	13 36-0001		Lawn Bed Preparation (32 91 13 36)		
32 91	13 36-0002	MSF	Rake Topsoil With Machine.....	60.28	
32 91	13 36-0003	MSF	Rake Topsoil By Hand.....	53.19	
32 91	13 36-0004	MSF	Screen Loam With Machine.....	76.44	
32 91	13 36-0005	MSF	Screen Loam By Hand.....	35.46	
32 91	13 36-0006	SY	Roll Topsoil With Machine.....	0.76	
32 91	13 36-0007	SY	Roll Topsoil By Hand.....	2.38	
32 91	13 36-0008	MSF	Remove Rocks And Debris With Machine.....	7.13	
32 91	13 36-0009	MSF	Remove Rocks And Debris By Hand.....	22.93	
32 91	13 36-0010	MSF	Root Raking And Loading, No Boulders..... <i>For >45 to 225, Deduct</i> <i>For >225, Deduct</i>	37.31 -26.12 -33.58	
32 91	13 36-0011	MSF	Root Raking And Loading, With Boulders..... <i>For >45 to 225, Deduct</i> <i>For >225, Deduct</i>	62.17 -43.52 -55.95	
32 91	13 36-0012	SY	Up To 6" Deep Tilling Topsoil With Tractor.....	0.09	
32 91	13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....	0.56	
32 91	13 36-0014	SY	Up To 4" Deep Tilling Topsoil With Rototiller.....	0.68	
32 91	13 36-0015	SY	Up To 6" Deep Tilling Topsoil With Rototiller.....	0.85	
32 91	13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds.....	0.94	
32 91	13 36-0017		Sod Removal (32 91 13 36)		
32 91	13 36-0018	SY	Remove Sod By Hand..... <i>For Work On Slopes >1 To 2.5, Add</i>	4.48 0.90	
32 91	13 36-0019	SY	Remove Sod With Machine..... <i>For Work On Slopes >1 To 2.5, Add</i>	0.44 0.09	
32 91	13 36-0020	SY	Pile Sod By Hand..... <i>For Work On Slopes >1 To 2.5, Add</i>	2.66 0.53	
32 91	13 36-0021	SY	Pile Sod With Machine..... <i>For Work On Slopes >1 To 2.5, Add</i>	0.83 0.17	
32 91	19		Landscape Grading (32 91)		
32 91	19 13		Topsoil Placement And Grading (32 91 19)		
32 91	19 13-0001		Remove And Stockpile Topsoil On Site (32 91 19 13)		
32 91	19 13-0002	CY	Remove Topsoil, 4" Deep Stockpile On Site.....	3.40	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0003 CY Remove Topsoil, 6" Deep Stockpile On Site.....	3.37	
32 91 19 13-0004 Screening Topsoil <small>(32 91 19 13)</small>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.64	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material	5.09	
32 91 19 13-0007 CY Screen Topsoil With Vibrating Screen And Mix With Conditioners	2.03	
32 91 19 13-0008 Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>		
32 91 19 13-0009 CY Spread Topsoil By Machine From Stockpile	5.63	
32 91 19 13-0010 CY Spread Topsoil By Hand From Stockpile	50.75	
32 91 19 13-0011 Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>		
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0012 CY Furnish And Place Class A Unamended Topsoil	18.67	
32 91 19 13-0013 CY Furnish And Place Amended Topsoil.....	30.28	
32 91 19 13-0014 CY Furnish And Place Crown III 3/8" Or Less, Crumb Rubber Turf Topdressing	696.72	
32 91 19 13-0015 Soil Import <small>(32 91 19 13)</small>		
Note: Includes environmental/geotechnical materials testing, pickup at source, and transportation to LAUSD environmental cleanup sites with bulk drop-off; soil shall meet all requirements of LAUSD Specification 01440 (Environmental Import/Export Materials Testing); Specification 01440 sampling plans and reports shall be approved by LAUSD prior to soil import; soil shall also meet backfill material requirements of LAUSD Specification 02315 (Excavating, Backfilling, and Compacting) See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 91 19 16 Scarify Subsoil <small>(32 91 19)</small>		
32 91 19 16-0001 Scarify Subsoil For Planting Preparation <small>(32 91 19 16)</small>		
32 91 19 16-0002 MSF Up To 5,000 SF Scarify Up To 8" Subsoil With Machine	44.23	
32 91 19 16-0003 MSF >5,000 To 20,000 SF Scarify Up To 8" Subsoil With Machine.....	30.97	
32 91 19 16-0004 MSF >20,000 SF Scarify Up To 8" Subsoil With Machine With Scarifier.....	18.18	
32 92 Turf And Grasses <small>(32 92)</small>		
32 92 16 Plugging <small>(32 92)</small>		
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep <small>(32 92 16)</small>		
Note: Includes fine grade and soil preparation.		
32 92 16 00-0002 6" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center	180.00	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	31.89	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	25.87	
32 92 16 00-0006 9" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center	137.85	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	24.60	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	19.29	
32 92 16 00-0010 12" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center	114.67	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	16.30	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	12.20	
32 92 19 Seeding <small>(32 92)</small>		
32 92 19 13 Mechanical Seeding <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001 Tractor Spreader Mechanical Seeding <small>(32 92 19 13)</small>		
Note: Excludes straw. See CSI section 32 91 13 16-0018 for wheat straw mulch.		
32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader	28.22	
Note: 4 LB/MSF spread rate.		
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader	22.71	
Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004 MSF Rye, Tractor Spreader	23.10	
Note: 10 LB/MSF spread rate.		
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader.....	25.09	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader.....	26.51	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader.....	24.61	
Note: 6 LB/MSF spread rate.		

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	22.24	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader..... Note: 0.10 LB/MSF spread rate.	17.77	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	53.11	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	32.21	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	17.72	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	19.62	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	59.37	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.02	
			<i>For >1 To 4 MSF, Add</i>	41.89	
			<i>For >4 To 7.5 MSF, Add</i>	28.45	
			<i>For >7.5 To 10 MSF, Add</i>	14.22	
			<i>For >45, Deduct</i>	-4.84	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	62.70	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.35	
			<i>For >1 To 4 MSF, Add</i>	42.56	
			<i>For >4 To 7.5 MSF, Add</i>	28.78	
			<i>For >7.5 To 10 MSF, Add</i>	14.39	
			<i>For >45, Deduct</i>	-5.01	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	59.51	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.08	
			<i>For >1 To 4 MSF, Add</i>	41.92	
			<i>For >4 To 7.5 MSF, Add</i>	28.46	
			<i>For >7.5 To 10 MSF, Add</i>	14.23	
			<i>For >45, Deduct</i>	-4.85	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	59.37	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.02	
			<i>For >1 To 4 MSF, Add</i>	41.89	
			<i>For >4 To 7.5 MSF, Add</i>	28.45	
			<i>For >7.5 To 10 MSF, Add</i>	14.22	
			<i>For >45, Deduct</i>	-4.84	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	62.70	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.35	
			<i>For >1 To 4 MSF, Add</i>	42.56	
			<i>For >4 To 7.5 MSF, Add</i>	28.78	
			<i>For >7.5 To 10 MSF, Add</i>	14.39	
			<i>For >45, Deduct</i>	-5.01	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	61.27	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.78	
			<i>For >1 To 4 MSF, Add</i>	42.27	
			<i>For >4 To 7.5 MSF, Add</i>	28.64	
			<i>For >7.5 To 10 MSF, Add</i>	14.32	
			<i>For >45, Deduct</i>	-4.94	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	60.12	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.32	
			<i>For >1 To 4 MSF, Add</i>	42.04	
			<i>For >4 To 7.5 MSF, Add</i>	28.52	
			<i>For >7.5 To 10 MSF, Add</i>	14.26	
			<i>For >45, Deduct</i>	-4.88	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding..... Note: 0.10 LB/MSF spread rate.	56.42	
			<i>For Spot Areas Up To 1 MSF, Add</i>	63.84	
			<i>For >1 To 4 MSF, Add</i>	41.30	
			<i>For >4 To 7.5 MSF, Add</i>	28.15	
			<i>For >7.5 To 10 MSF, Add</i>	14.08	
			<i>For >45, Deduct</i>	-4.70	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate.	89.77	
			<i>For Spot Areas Up To 1 MSF, Add</i>	77.18	
			<i>For >1 To 4 MSF, Add</i>	47.97	
			<i>For >4 To 7.5 MSF, Add</i>	31.49	
			<i>For >7.5 To 10 MSF, Add</i>	15.74	
			<i>For >45, Deduct</i>	-6.36	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	79.33	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1 MSF, Add	73.00	
For >1 To 4 MSF, Add	45.88	
For >4 To 7.5 MSF, Add	30.45	
For >7.5 To 10 MSF, Add	15.22	
For >45, Deduct	-5.84	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	51.91	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	62.04	
For >1 To 4 MSF, Add	40.40	
For >4 To 7.5 MSF, Add	27.70	
For >7.5 To 10 MSF, Add	13.85	
For >45, Deduct	-4.47	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	57.47	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	64.26	
For >1 To 4 MSF, Add	41.51	
For >4 To 7.5 MSF, Add	28.26	
For >7.5 To 10 MSF, Add	14.13	
For >45, Deduct	-4.75	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	60.32	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	65.40	
For >1 To 4 MSF, Add	42.08	
For >4 To 7.5 MSF, Add	28.54	
For >7.5 To 10 MSF, Add	14.27	
For >45, Deduct	-4.89	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	66.97	
Note: Applied with seed.		
For >45, Deduct	-4.29	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	77.55	
Note: Applied with seed.		
For >45, Deduct	-4.86	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	88.19	
Note: Applied with seed.		
For >45, Deduct	-5.44	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	98.86	
Note: Applied with seed.		
For >45, Deduct	-6.03	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	109.59	
Note: Applied with seed.		
For >45, Deduct	-6.62	

32 92 19 19 Seeding By Hand (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering. Excludes straw. See CSI section 32 91 13 16-0018 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding (32 92 19 19)

Note: Excludes straw. See CSI section 32 91 13 16-0018 for wheat straw mulch.

32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	79.59	
Note: 4 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.64	
For >20 To 45, Deduct	-10.96	
For >45, Deduct	-17.93	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	74.08	
Note: 5.5 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.37	
For >20 To 45, Deduct	-10.54	
For >45, Deduct	-17.38	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	74.47	
Note: 10 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.39	
For >20 To 45, Deduct	-10.57	
For >45, Deduct	-17.42	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand	76.46	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For > 5 To 20, Deduct	-5.49	
For >20 To 45, Deduct	-10.72	
For >45, Deduct	-17.62	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand	77.88	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For > 5 To 20, Deduct	-5.56	
For >20 To 45, Deduct	-10.83	
For >45, Deduct	-17.76	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	75.98	
Note: 6 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.46	
For >20 To 45, Deduct	-10.68	
For >45, Deduct	-17.57	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	73.61	
			For > 5 To 20, Deduct	-5.34	
			For >20 To 45, Deduct	-10.51	
			For >45, Deduct	-17.33	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	69.14	
			For > 5 To 20, Deduct	-5.12	
			For >20 To 45, Deduct	-10.17	
			For >45, Deduct	-16.89	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	104.48	
			For > 5 To 20, Deduct	-6.89	
			For >20 To 45, Deduct	-12.82	
			For >45, Deduct	-20.42	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	83.58	
			For > 5 To 20, Deduct	-5.84	
			For >20 To 45, Deduct	-11.25	
			For >45, Deduct	-18.33	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	69.09	
			For > 5 To 20, Deduct	-5.12	
			For >20 To 45, Deduct	-10.17	
			For >45, Deduct	-16.88	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	70.99	
			For > 5 To 20, Deduct	-5.21	
			For >20 To 45, Deduct	-10.31	
			For >45, Deduct	-17.07	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	80.49	
			For > 5 To 20, Deduct	-5.69	
			For >20 To 45, Deduct	-11.02	
			For >45, Deduct	-18.02	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	77.88	
			For > 5 To 20, Deduct	-5.56	
			For >20 To 45, Deduct	-10.83	
			For >45, Deduct	-17.76	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	75.98	
			For > 5 To 20, Deduct	-5.46	
			For >20 To 45, Deduct	-10.68	
			For >45, Deduct	-17.57	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	79.78	
			For > 5 To 20, Deduct	-5.65	
			For >20 To 45, Deduct	-10.97	
			For >45, Deduct	-17.95	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	76.93	
			For > 5 To 20, Deduct	-5.51	
			For >20 To 45, Deduct	-10.76	
			For >45, Deduct	-17.67	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	77.88	
			For > 5 To 20, Deduct	-5.56	
			For >20 To 45, Deduct	-10.83	
			For >45, Deduct	-17.76	
32 92 23	Sodding		(32 92) Note: Includes raking preparation, rolling of sod and sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls.		
32 92 23 00-0001	Bermuda Sod		(32 92 23)		
32 92 23 00-0002	MSF		Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	987.55	
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground.....	955.07	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground.....	885.47	
32 92 23 00-0005	MSF		>8,000 SF, Bermuda Sod, Installed On Level Ground.....	857.62	
32 92 23 00-0006	MSF		Up To 1,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,247.40	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,176.53	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,038.26	
32 92 23 00-0009	MSF		>8,000 SF, Bermuda Sod, Installed On Sloped Ground	987.55	
32 92 23 00-0010	Zoysia Sod		(32 92 23)		
32 92 23 00-0011	MSF		Up To 1,000 SF, Zoysia Sod, Installed On Level Ground.....	954.85	
32 92 23 00-0012	MSF		>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground.....	922.37	
32 92 23 00-0013	MSF		>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground.....	852.77	
32 92 23 00-0014	MSF		>8,000 SF, Zoysia Sod, Installed On Level Ground.....	824.92	
32 92 23 00-0015	MSF		Up To 1,000 SF, Zoysia Sod, Installed On Sloped Ground.....	1,214.70	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0016	MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped Ground.....	1,143.83	
32 92 23 00-0017	MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped Ground.....	1,005.56	
32 92 23 00-0018	MSF >8,000 SF, Zoysia Sod, Installed On Sloped Ground.....	954.85	
32 92 23 00-0019	Tall Fescue Sod (32 92 23)		
32 92 23 00-0020	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	945.57 42.59	
32 92 23 00-0021	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	913.09 42.59	
32 92 23 00-0022	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	843.49 42.59	
32 92 23 00-0023	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	815.64 42.59	
32 92 23 00-0024	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	1,205.42 42.59	
32 92 23 00-0025	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	1,134.55 42.59	
32 92 23 00-0026	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	996.28 42.59	
32 92 23 00-0027	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped Ground..... <i>For Hybrid Fescue "Marathon", Add</i>	945.57 42.59	
32 92 23 00-0028	Centipede Sod (32 92 23)		
32 92 23 00-0029	MSF Up To 1,000 SF, Centipede Sod, Installed On Level Ground.....	877.43	
32 92 23 00-0030	MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground.....	844.95	
32 92 23 00-0031	MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground.....	775.35	
32 92 23 00-0032	MSF >8,000 SF, Centipede Sod, Installed On Level Ground.....	747.50	
32 92 23 00-0033	MSF Up To 1,000 SF, Centipede Sod, Installed On Sloped Ground.....	1,137.28	
32 92 23 00-0034	MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Sloped Ground.....	1,066.41	
32 92 23 00-0035	MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Sloped Ground.....	928.14	
32 92 23 00-0036	MSF >8,000 SF, Centipede Sod, Installed On Sloped Ground.....	877.43	
32 92 23 00-0037	Kentucky Blue Grass Sod (32 92 23)		
32 92 23 00-0038	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	850.13	
32 92 23 00-0039	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	817.65	
32 92 23 00-0040	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	748.05	
32 92 23 00-0041	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	720.20	
32 92 23 00-0042	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground.....	1,109.98	
32 92 23 00-0043	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground.....	1,039.11	
32 92 23 00-0044	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground.....	900.84	
32 92 23 00-0045	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground.....	850.13	
32 92 23 00-0046	Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar (32 92 23)		
32 92 23 00-0047	MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,097.73	
32 92 23 00-0048	MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,065.25	
32 92 23 00-0049	MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	995.65	
32 92 23 00-0050	MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	967.80	
32 92 23 00-0051	MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,357.58	
32 92 23 00-0052	MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,286.71	
32 92 23 00-0053	MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,148.44	
32 92 23 00-0054	MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,097.73	
32 92 23 00-0055	GN-1 Sod (32 92 23)		
32 92 23 00-0056	MSF Up To 1,000 SF, GN-1 Sod, Installed On Level Ground.....	1,383.75	
32 92 23 00-0057	MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground.....	1,351.27	
32 92 23 00-0058	MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,281.67	
32 92 23 00-0059	MSF >8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,253.82	
32 92 23 00-0060	MSF Up To 1,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,643.60	
32 92 23 00-0061	MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,572.73	
32 92 23 00-0062	MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,434.46	
32 92 23 00-0063	MSF >8,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,383.75	
32 92 23 00-0064	Tifgreen Bermuda Sod (32 92 23)		
32 92 23 00-0065	MSF Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,446.25	
32 92 23 00-0066	MSF >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,413.77	
32 92 23 00-0067	MSF >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,344.17	
32 92 23 00-0068	MSF >8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,316.32	
32 92 23 00-0069	MSF Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,706.10	
32 92 23 00-0070	MSF >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,635.23	
32 92 23 00-0071	MSF >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,496.96	
32 92 23 00-0072	MSF >8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,446.25	

32 93 Plants (32 90)

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 93 13 Ground Covers (32 93)

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.08
32 93 13 00-0003	EA	1 Gallon Koeleria glauca - Blue Hair Grass	5.50
32 93 13 00-0004	EA	3 Gallon Koeleria glauca - Blue Hair Grass	10.12
32 93 13 00-0005	EA	1 Quart Pennisetum setaceum - Fountain Grass	3.45
32 93 13 00-0006	EA	1 Gallon Pennisetum setaceum - Fountain Grass	5.50
32 93 13 00-0007	EA	3 Gallon Pennisetum setaceum - Fountain Grass	10.12
32 93 13 00-0008	EA	1 Quart Stipa gigantea - Giant Feather Grass	7.77
32 93 13 00-0009	EA	1 Gallon Stipa gigantea - Giant Feather Grass	11.73
32 93 13 00-0010	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.33
32 93 13 00-0011	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.23
32 93 13 00-0012	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.58
32 93 13 00-0013	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	8.58
32 93 13 00-0014	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	14.81
32 93 13 00-0015	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	19.51
32 93 13 00-0016	EA	1 Gallon Cortaderia seloana - Pampas Grass	7.04
32 93 13 00-0017	EA	2 Gallon Cortaderia seloana - Pampas Grass	8.58
32 93 13 00-0018	EA	3 Gallon Cortaderia seloana - Pampas Grass	10.12
32 93 13 00-0019	EA	10 Gallon Cortaderia seloana - Pampas Grass	38.87
32 93 13 00-0020	EA	1 Gallon Saccharum ravennae - Ravenna Grass	7.04
32 93 13 00-0021	EA	3 Gallon Saccharum ravennae - Ravenna Grass	10.12
32 93 13 00-0022	EA	7 Gallon Saccharum ravennae - Ravenna Grass	19.51
32 93 13 00-0023	EA	1 Gallon Spartina pectinata - Variegated Cord Grass	6.23
32 93 13 00-0024	EA	2 Gallon Spartina pectinata - Variegated Cord Grass	10.12
32 93 13 00-0025	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	8.58
32 93 13 00-0026	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	14.81
32 93 13 00-0027	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	19.51

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	5.96
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	16.06
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	53.11
32 93 13 00-0032	EA	1 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	5.34
32 93 13 00-0033	EA	5 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	14.51
32 93 13 00-0034	EA	1 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	5.34
32 93 13 00-0035	EA	5 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	14.51
32 93 13 00-0036	EA	1 Gallon Artemisia Californica 'Canyon Gray' - California Sagebrush	4.46
32 93 13 00-0037	EA	5 Gallon Artemisia C. 'Canyon Gray' - California Sagebrush	10.98
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	2.20
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	3.81
32 93 13 00-0040	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	5.18
32 93 13 00-0041	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	12.44
32 93 13 00-0042	EA	1 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	5.18
32 93 13 00-0043	EA	5 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	12.44
32 93 13 00-0044	EA	1 Gallon Dietes Vegata - Fortnight Lily	4.46
32 93 13 00-0045	EA	5 Gallon Dietes Vegata - Fortnight Lily	10.98
32 93 13 00-0046	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	8.28
32 93 13 00-0047	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	21.75
32 93 13 00-0048	EA	4" Pot Miscanthus 'Morning Light' - NCN	6.21
32 93 13 00-0049	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	91.57
32 93 13 00-0050	EA	1 Gallon Muhlenbergia Rigens - Deer Grass	8.28
32 93 13 00-0051	EA	5 Gallon Muhlenbergia Rigens - Deer Grass	21.75
32 93 13 00-0052	EA	15 Gallon Muhlenbergia Rigens - Deer Grass	82.89
32 93 13 00-0053	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	8.28
32 93 13 00-0054	EA	1 Gallon Salvia Clevelandii - California Blue Sage	4.46
32 93 13 00-0055	EA	5 Gallon Salvia Clevelandii - California Blue Sage	10.98
32 93 13 00-0056	EA	15 Gallon Salvia Clevelandii - California Blue Sage	45.08
32 93 13 00-0057	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	4.15
32 93 13 00-0058	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	10.36
32 93 13 00-0059	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	4.46
32 93 13 00-0060	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	10.98
32 93 13 00-0061	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	45.08
32 93 13 00-0062	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	7.77
32 93 13 00-0063	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.12
32 93 13 00-0064	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	12.81
32 93 13 00-0065	EA	1 Quart Waldsteinia ternata - Barren Strawberry	2.20
32 93 13 00-0066	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	5.28
32 93 13 00-0067	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	7.19
32 93 13 00-0068	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	13.64
32 93 13 00-0069	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	24.05
32 93 13 00-0070	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	2.46
32 93 13 00-0071	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	4.55
32 93 13 00-0072	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	15.99
32 93 13 00-0073	EA	1 Gallon Juniperus horizontalis 'Wilton' - Blue Rug Juniper	5.97
32 93 13 00-0074	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	3.67
32 93 13 00-0075	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	8.36
32 93 13 00-0076	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	22.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0077	EA	3	Gallon Bougainvillea spectabilis - Bougainvillea	7.69	
32 93 13 00-0078	EA	1	Quart Iberis sempervirens - Candytuft	2.20	
32 93 13 00-0079	EA	1	Gallon Iberis sempervirens - Candytuft	5.28	
32 93 13 00-0080	EA	1	Gallon Gelsemium sempervirens - Carolina Jessamine	5.28	
32 93 13 00-0081	EA	5	Gallon Gelsemium sempervirens - Carolina Jessamine	19.07	
32 93 13 00-0082	EA	3"	Pot Ajuga reptans - Carpet Bugle	1.32	
32 93 13 00-0083	EA	1	Quart Ajuga reptans - Carpet Bugle	2.20	
32 93 13 00-0084	EA	1	Gallon Ajuga reptans - Carpet Bugle	5.28	
32 93 13 00-0085	EA	24	Plant Flat Ajuga reptans - Carpet Bugle	22.73	
32 93 13 00-0086	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine	5.28	
32 93 13 00-0087	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine	22.88	
32 93 13 00-0088	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine	6.89	
32 93 13 00-0089	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine	15.25	
32 93 13 00-0090	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine	22.88	
32 93 13 00-0091	EA	1	Gallon Ranunculaceae - Clematis Varieties	7.58	
32 93 13 00-0092	EA	2	Gallon Ranunculaceae - Clematis Varieties	14.02	
32 93 13 00-0093	EA	1	Gallon Hydrangea petiolaris - Climbing Hydrangea	9.53	
32 93 13 00-0094	EA	2	Gallon Hydrangea petiolaris - Climbing Hydrangea	17.89	
32 93 13 00-0095	EA	5	Gallon Hydrangea petiolaris - Climbing Hydrangea	29.33	
32 93 13 00-0096	EA	4"	Pot Lantana camera - Common Lantana	1.32	
32 93 13 00-0097	EA	1	Gallon Lantana camera - Common Lantana	3.81	
32 93 13 00-0098	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	4.55	
32 93 13 00-0099	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	14.96	
32 93 13 00-0100	EA	2	Quart Lysimachia nummularia - Creeping Jenny	2.20	
32 93 13 00-0101	EA	1	Gallon Lysimachia nummularia - Creeping Jenny	4.25	
32 93 13 00-0102	EA	2	Quart Liriope spicata - Creeping Lilytuft	3.81	
32 93 13 00-0103	EA	1	Gallon Liriope spicata - Creeping Lilytuft	6.89	
32 93 13 00-0104	EA	5	Gallon Liriope spicata - Creeping Lilytuft	14.52	
32 93 13 00-0105	EA		Bare Root Liriope spicata - Creeping Liriope	0.96	
32 93 13 00-0106	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	1.32	
32 93 13 00-0107	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.28	
32 93 13 00-0108	EA	2-1/4"	Pot Securigera varia - Crown Vetch	0.88	
32 93 13 00-0109	EA	50	Plant Flat Securigera varia - Crown Vetch	29.77	
32 93 13 00-0110	EA	1	Quart Senecio cineraria - Dusty Miller	2.20	
32 93 13 00-0111	EA	1	Gallon Senecio cineraria - Dusty Miller	5.28	
32 93 13 00-0112	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe	18.33	
32 93 13 00-0113	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe	33.59	
32 93 13 00-0114	EA	1	Gallon Ilex cornuta - Dwarf Holly	3.98	
32 93 13 00-0115	EA	3	Gallon Ilex cornuta - Dwarf Holly	8.54	
32 93 13 00-0116	EA	3	Gallon Raphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	8.54	
32 93 13 00-0117	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant	2.85	
32 93 13 00-0118	EA	2"	To 3" Pot Hedera helix - English Ivy	1.32	
32 93 13 00-0119	EA	12"	To 15" Runners Hedera helix - English Ivy	2.20	
32 93 13 00-0120	EA	1	Gallon Hedera helix - English Ivy	5.28	
32 93 13 00-0121	EA	50	Plant Flat Hedera helix - English Ivy	30.51	
32 93 13 00-0122	EA	4"	Pot Lavandula angustifolia - English Lavender	1.91	
32 93 13 00-0123	EA	1	Quart Lavandula angustifolia - English Lavender	3.67	
32 93 13 00-0124	EA	1	Gallon Lavandula angustifolia - English Lavender	6.01	
32 93 13 00-0125	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	5.72	
32 93 13 00-0126	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	11.44	
32 93 13 00-0127	EA	1	Quart Arundo donax - Giant Reed	7.04	
32 93 13 00-0128	EA	1	Gallon Arundo donax - Giant Reed	10.12	
32 93 13 00-0129	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	6.01	
32 93 13 00-0130	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	11.44	
32 93 13 00-0131	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	7.77	
32 93 13 00-0132	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	11.73	
32 93 13 00-0133	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	1.32	
32 93 13 00-0134	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.01	
32 93 13 00-0135	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	11.44	
32 93 13 00-0136	EA	1	Gallon Hardenbergia violacea - Happy Wanderer	5.28	
32 93 13 00-0137	EA	5	Gallon Hardenbergia violacea - Happy Wanderer	17.60	
32 93 13 00-0138	EA	3	Gallon Hibiscus, Assorted Colors	6.88	
32 93 13 00-0139	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag	5.50	
32 93 13 00-0140	EA	1	Gallon Jasminum volubile - Wax Jasmine	2.77	
32 93 13 00-0141	EA	1	Gallon Jasminum volubile - Wax Jasmine	6.88	
32 93 13 00-0142	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	3.45	
32 93 13 00-0143	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	7.69	
32 93 13 00-0144	EA	1	Gallon Cissus antarctica - Kangaroo Vine	4.25	
32 93 13 00-0145	EA	5	Gallon Cissus antarctica - Kangaroo Vine	13.35	
32 93 13 00-0146	EA	1	Quart Stachys byzantina - Lamb's Ear	2.20	
32 93 13 00-0147	EA	1	Quart Stachys byzantina - Lamb's Ear	5.28	
32 93 13 00-0148	EA	1	Gallon Lantana spp. Various Colors	3.11	
32 93 13 00-0149	EA	1	Gallon Lantana sellowiana - Trailing Lantana	2.05	
32 93 13 00-0150	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed	4.25	
32 93 13 00-0151	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed	15.25	
32 93 13 00-0152	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.11	
32 93 13 00-0153	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93	
32 93 13 00-0154	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28	
32 93 13 00-0155	EA	1	Quart Moss Phlox, Creeping Phlox	2.20	
32 93 13 00-0156	EA	1	Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0157	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern	2.77	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0158	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	1.32	
32 93 13 00-0159	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....	5.28	
32 93 13 00-0160	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....	12.17	
32 93 13 00-0161	EA	2' To 3' High Oregon Holly-Grape.....	6.09	
32 93 13 00-0162	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	7.94	
32 93 13 00-0163	EA	2-1/4" Pot Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0164	EA	4" Pot Vinca minor - Periwinkle.....	2.20	
32 93 13 00-0165	EA	Bare Root Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0166	EA	1 Quart Nepeta mussinii - Persian Catmint.....	2.20	
32 93 13 00-0167	EA	1 Gallon Nepeta mussinii - Persian Catmint.....	4.55	
32 93 13 00-0168	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	3.67	
32 93 13 00-0169	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	13.35	
32 93 13 00-0170	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper.....	6.01	
32 93 13 00-0171	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper.....	12.91	
32 93 13 00-0172	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper.....	19.07	
32 93 13 00-0173	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	5.24	
32 93 13 00-0174	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	13.57	
32 93 13 00-0175	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	22.73	
32 93 13 00-0176	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	2.77	
32 93 13 00-0177	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	3.08	
32 93 13 00-0178	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	5.50	
32 93 13 00-0179	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	8.58	
32 93 13 00-0180	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	3.41	
32 93 13 00-0181	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	9.10	
32 93 13 00-0182	EA	1 Quart Hypericum perforatum - St. John's Wort.....	2.20	
32 93 13 00-0183	EA	1 Gallon Hypericum perforatum - St. John's Wort.....	5.28	
32 93 13 00-0184	EA	5 Gallon Hypericum perforatum - St. John's Wort.....	13.64	
32 93 13 00-0185	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum.....	18.56	
32 93 13 00-0186	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	8.07	
32 93 13 00-0187	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	12.17	
32 93 13 00-0188	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	29.33	
32 93 13 00-0189	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0190	EA	4" Pot Vinca major - Variegated Greater Periwinkle.....	2.20	
32 93 13 00-0191	EA	Bare Root Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0192	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge.....	3.96	
32 93 13 00-0193	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	5.50	
32 93 13 00-0194	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	8.58	
32 93 13 00-0195	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	6.01	
32 93 13 00-0196	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	2.79	
32 93 13 00-0197	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.25	
32 93 13 00-0198	EA	48 Plant Flat Vinca minor - Lesser Periwinkle.....	26.14	
32 93 13 00-0199	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper.....	1.32	
32 93 13 00-0200	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	6.89	
32 93 13 00-0201	EA	1 Gallon Jasminum polyanthum - Winter Jasmine.....	5.28	
32 93 13 00-0202	EA	2 Gallon Jasminum polyanthum - Winter Jasmine.....	10.56	
32 93 13 00-0203	EA	5 Gallon Jasminum polyanthum - Winter Jasmine.....	18.33	
32 93 13 00-0204	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose.....	4.25	
32 93 13 00-0205	EA	5 Gallon Winkleleaf Rock Rose.....	14.52	

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies.....	4.25	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies.....	6.01	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies.....	9.97	
32 93 23 00-0005	EA	1 Quart Azure Penstemon.....	2.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon.....	5.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower.....	2.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower.....	5.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan.....	2.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan.....	5.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan.....	7.11	
32 93 23 00-0012	EA	1 Quart Blackberry Lily.....	2.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily.....	5.50	
32 93 23 00-0014	EA	1 Quart Blank Flower.....	2.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower.....	5.06	
32 93 23 00-0016	EA	2 Gallon Blank Flower.....	7.11	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather.....	2.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather.....	5.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium.....	3.74	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium.....	6.31	
32 93 23 00-0021	EA	1 Quart Blue Plumbago.....	2.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago.....	5.50	
32 93 23 00-0023	EA	1 Quart Blue Star.....	3.96	
32 93 23 00-0024	EA	1 Gallon Blue Star.....	6.31	
32 93 23 00-0025	EA	1 Quart Cardinal Flower.....	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower.....	5.50	
32 93 23 00-0027	EA	4" Pot Columbine.....	1.32	
32 93 23 00-0028	EA	1 Quart Columbine.....	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine.....	5.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0030	EA	1	Quart Common Globeflower	2.20	
32 93 23 00-0031	EA	1	Gallon Common Globeflower	5.50	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1	Quart Diploid	2.79	
32 93 23 00-0036	EA	1	Gallon Diploid	6.31	
32 93 23 00-0037	EA	3	Gallon Diploid	10.85	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1	Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1	Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1	Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1	Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1	Quart False Spirea	2.20	
32 93 23 00-0044	EA	1	Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3	Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2	Quart False Sunflower	3.52	
32 93 23 00-0047	EA	1	Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2	Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1	Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2	Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3	Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1	Gallon Francee Hostas	8.91	
32 93 23 00-0053	EA	1	Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1	Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2	Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1	Quart Golden Star	2.20	
32 93 23 00-0058	EA	1	Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1	Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1	Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylillies	10.24	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6" To 8"	Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1	Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1	Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2	Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	5.50	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	7.11	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife	2.20	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	5.50	
32 93 23 00-0097	EA	1	Quart Rose Mallow	4.33	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	7.85	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	13.42	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	8.39	
32 93 23 00-0101	EA	1	Quart Siberian Iris	3.74	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	7.11	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	9.83	
32 93 23 00-0104	EA	1	Quart Speedwell	2.20	
32 93 23 00-0105	EA	1	Gallon Speedwell	5.50	
32 93 23 00-0106	EA	1	Quart Tetraploid	5.50	
32 93 23 00-0107	EA	1	Gallon Tetraploid	10.27	
32 93 23 00-0108	EA	3	Gallon Tetraploid	14.01	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis	2.20	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	5.50	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0111	EA		1 Quart Torch Lily	2.20	
32 93 23 00-0112	EA		1 Quart Bluebeard.....	3.96	
32 93 23 00-0113	EA		1 Gallon Bluebeard	5.87	
32 93 23 00-0114	EA		2 Gallon Bluebeard	8.58	
32 93 23 00-0115 Annuals <small>(32 93 23)</small>					
32 93 23 00-0116	EA		2-1/2" Pot Annual Flowers	1.02	
32 93 23 00-0117	EA		3" Pot Annual Flowers.....	1.38	
32 93 23 00-0118	EA		4" Pot Annual Flowers.....	2.95	
32 93 23 00-0119	EA		5-1/2" Pot Annual Flowers	3.92	
32 93 23 00-0120	EA		6" Pot Annual Flowers.....	7.77	
32 93 23 00-0121	EA		8" Pot Annual Flowers.....	12.95	
32 93 23 00-0122	EA		36 Plant Flat Annual Flowers	16.96	
32 93 23 00-0123	EA		48 Plant Flat Annual Flowers	19.23	
32 93 23 00-0124 Bulbs <small>(32 93 23)</small>					
32 93 23 00-0125	EA		Top Size Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126	EA		Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127	LOT		Lot Of 100 Top Size Crocus Hybrid	23.21	
32 93 23 00-0128	LOT		Lot Of 100 Top Size Eranthis hyemalis - Winter Aconite	30.03	
32 93 23 00-0129	LOT		Lot Of 100 Top Size Galanthus nivalis - Snowdrops.....	38.23	
32 93 23 00-0130	LOT		Lot Of 100 Top Size Iris reticulata cvs - Dutch Iris	15.02	
32 93 23 00-0131	LOT		Lot Of 100 Top Size Muscari armeniacum - Grape Hyacinth	17.75	
32 93 23 00-0132	LOT		Lot Of 100 Top Size Muscari latifolium - Grape Hyacinth	20.48	
32 93 23 00-0133	LOT		Lot Of 50 Narcissus 'Carlton' - Carlton Daffodil DNI.....	61.43	
32 93 23 00-0134	LOT		Lot Of 50 Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	29.35	
32 93 23 00-0135	LOT		Lot Of 50 Narcissus 'February Gold' - February Gold Daffodil DNI	30.72	
32 93 23 00-0136	LOT		Lot Of 50 Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	30.72	
32 93 23 00-0137	LOT		Lot Of 50 Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	32.08	
32 93 23 00-0138	LOT		Lot Of 50 Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	34.13	
32 93 23 00-0139	LOT		Lot Of 50 Narcissus 'Pipit' - Pipit Daffodil DNI.....	32.08	
32 93 23 00-0140	LOT		Lot Of 50 Narcissus 'Salome' - Salome Daffodil DNI	30.03	
32 93 23 00-0141	LOT		Lot Of 50 Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	32.08	
32 93 23 00-0142	LOT		Lot Of 50 Narcissus 'Thalia' - Thalia Daffodil DNI	32.08	
32 93 23 00-0143	LOT		Lot Of 100 Top Size Scilla siberica - Siberian Squill	19.11	
32 93 23 00-0144	LOT		Lot Of 60 Top Size Tulip 'Angelique' - Angelique Tulip	32.77	
32 93 23 00-0145	LOT		Lot Of 60 Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	24.57	
32 93 23 00-0146	LOT		Lot Of 100 Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	54.61	
32 93 23 00-0147	LOT		Lot Of 100 Top Size Tulip 'Big Smile' - Big Smile Tulip.....	47.78	
32 93 23 00-0148	LOT		Lot Of 100 Top Size Tulip 'Black Parrot' - Black Parrot Tulip	68.26	
32 93 23 00-0149	LOT		Lot Of 100 Top Size Tulip 'Blue Heron' - Blue Heron Tulip	51.88	
32 93 23 00-0150	LOT		Lot Of 100 Top Size Tulip 'Cardinal' - Cardinal Tulip	45.05	
32 93 23 00-0151	LOT		Lot Of 100 Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	50.51	
32 93 23 00-0152	LOT		Lot Of 100 Top Size Tulip clusiana - Species Tulip.....	50.51	
32 93 23 00-0153	LOT		Lot Of 60 Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	30.31	
32 93 23 00-0154	LOT		Lot Of 60 Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	24.57	
32 93 23 00-0155	LOT		Lot Of 60 Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	23.75	
32 93 23 00-0156	LOT		Lot Of 100 Top Size Tulip 'Halcro' - Halcro Tulip	40.96	
32 93 23 00-0157	LOT		Lot Of 60 Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip.....	40.96	
32 93 23 00-0158	LOT		Lot Of 60 Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	24.57	
32 93 23 00-0159	LOT		Lot Of 100 Top Size Tulip 'Passionale' - Passionale Tulip	54.61	
32 93 23 00-0160	LOT		Lot Of 60 Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	35.22	
32 93 23 00-0161	LOT		Lot Of 100 Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	61.43	
32 93 23 00-0162	LOT		Lot Of 100 Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	49.15	
32 93 23 00-0163	LOT		Lot Of 60 Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	27.85	
32 93 23 00-0164	LOT		Lot Of 60 Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	30.31	
32 93 23 00-0165	LOT		Lot Of 60 Top Size Tulip 'Princes' - Princes Tulip	30.31	
32 93 23 00-0166	LOT		Lot Of 100 Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	39.59	
32 93 23 00-0167	LOT		Lot Of 100 Top Size Tulip saxatilis - Species Tulip	27.30	
32 93 23 00-0168	LOT		Lot Of 100 Top Size Tulip 'Shirley' - Shirley Tulip.....	40.96	
32 93 23 00-0169	LOT		Lot Of 100 Top Size Tulip 'Spring Green' - Spring Green Tulip	53.24	
32 93 23 00-0170	LOT		Lot Of 60 Top Size Tulip 'White Emperor' - White Emperor Tulip	24.57	
32 93 33 Shrubs <small>(32 93)</small>					
Note: (cvs = cultivar) materials only.					
32 93 33 00-0001 Shrubs <small>(32 93 33)</small>					
32 93 33 00-0002	EA		1 Gallon Abelia x grandiflora - Abelia.....	3.30	
32 93 33 00-0003	EA		3 Gallon Abelia x grandiflora - Abelia.....	6.72	
32 93 33 00-0004	EA		5 Gallon Abelia x grandiflora - Abelia.....	12.90	
32 93 33 00-0005	EA		3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	85.85	
32 93 33 00-0006	EA		18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	125.47	
32 93 33 00-0007	EA		24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	139.99	
32 93 33 00-0008	EA		30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97	
32 93 33 00-0009	EA		36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78	
32 93 33 00-0010	EA		18" B&B Aesculus parviflora - Bottlebrush Buckeye	39.62	
32 93 33 00-0011	EA		24" B&B Aesculus parviflora - Bottlebrush Buckeye	52.83	
32 93 33 00-0012	EA		30" B&B Aesculus parviflora - Bottlebrush Buckeye	66.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0013	EA	36"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45	
32 93 33 00-0014	EA	42"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41	
32 93 33 00-0015	EA	48"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70	
32 93 33 00-0016	EA	60"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98	
32 93 33 00-0017	EA	72"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90	
32 93 33 00-0018	EA	36"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	21.79	
32 93 33 00-0019	EA	42"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.11	
32 93 33 00-0020	EA	48"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43	
32 93 33 00-0021	EA	60"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	27.73	
32 93 33 00-0022	EA	36"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	22.12	
32 93 33 00-0023	EA	42"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.44	
32 93 33 00-0024	EA	48"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.76	
32 93 33 00-0025	EA	60"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.08	
32 93 33 00-0026	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	4.54	
32 93 33 00-0027	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	10.50	
32 93 33 00-0028	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.32	
32 93 33 00-0029	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	11.71	
32 93 33 00-0030	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	15.82	
32 93 33 00-0031	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	5.68	
32 93 33 00-0032	EA	2	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.30	
32 93 33 00-0033	EA	15"	To 18" Berberis - Northern Bayberry.....	23.69	
32 93 33 00-0034	EA	2'	To 2-1/2' Berberis - Northern Bayberry.....	30.08	
32 93 33 00-0035	EA	2-1/2'	To 3' Berberis - Northern Bayberry.....	42.14	
32 93 33 00-0036	EA	18"	To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	25.33	
32 93 33 00-0037	EA	2'	To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	32.42	
32 93 33 00-0038	EA	2-1/2'	To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	41.43	
32 93 33 00-0039	EA	1	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	6.81	
32 93 33 00-0040	EA	2	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	13.41	
32 93 33 00-0041	EA	3	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	16.39	
32 93 33 00-0042	EA	1	Gallon Berberis x mentorensis - Mentor Barberry.....	6.46	
32 93 33 00-0043	EA	5	Gallon Berberis x mentorensis - Mentor Barberry.....	18.23	
32 93 33 00-0044	EA	2'	To 3' Berberis x mentorensis - Mentor Barberry.....	25.33	
32 93 33 00-0045	EA	3'	To 4' Berberis x mentorensis - Mentor Barberry.....	39.09	
32 93 33 00-0046	EA	1	Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.38	
32 93 33 00-0047	EA	5	Gallon Buxus microphylla japonica - Japanese Boxwood.....	19.79	
32 93 33 00-0048	EA	12"	To 15" Buxus microphylla japonica - Japanese Boxwood.....	21.07	
32 93 33 00-0049	EA	15"	To 18" Buxus microphylla japonica - Japanese Boxwood.....	27.10	
32 93 33 00-0050	EA	18"	To 24" Buxus microphylla japonica - Japanese Boxwood.....	36.11	
32 93 33 00-0051	EA	24"	To 30" Buxus microphylla japonica - Japanese Boxwood.....	54.20	
32 93 33 00-0052	EA	30"	To 36" Buxus microphylla japonica - Japanese Boxwood.....	75.27	
32 93 33 00-0053	EA	12"	To 15" Buxus sempervirens - Common Boxwood.....	21.07	
32 93 33 00-0054	EA	15"	To 18" Buxus sempervirens - Common Boxwood.....	27.10	
32 93 33 00-0055	EA	18"	To 24" Buxus sempervirens - Common Boxwood.....	36.11	
32 93 33 00-0056	EA	24"	To 30" Buxus sempervirens - Common Boxwood.....	54.20	
32 93 33 00-0057	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars.....	13.87	
32 93 33 00-0058	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars.....	23.11	
32 93 33 00-0059	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0060	EA	18"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	33.02	
32 93 33 00-0061	EA	24"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	44.90	
32 93 33 00-0062	EA	30"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0063	EA	5	Gallon Calycanthus floridus - Common Sweetshrub.....	21.79	
32 93 33 00-0064	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	19.81	
32 93 33 00-0065	EA	36"	B&B Calycanthus floridus - Common Sweetshrub.....	26.41	
32 93 33 00-0066	EA	1	Gallon Camellia "Sasanqua" - Camellia.....	5.32	
32 93 33 00-0067	EA	3	Gallon Camellia "Sasanqua" - Camellia.....	11.35	
32 93 33 00-0068	EA	5	Gallon Camellia "Sasanqua" - Camellia.....	18.87	
32 93 33 00-0069	EA	7	Gallon Camellia "Sasanqua" - Camellia.....	28.10	
32 93 33 00-0070	EA	15	Gallon Camellia "Sasanqua" - Camellia.....	72.90	
32 93 33 00-0071	EA	1	Gallon Camellia japonica - Camellia.....	5.32	
32 93 33 00-0072	EA	3	Gallon Camellia japonica - Camellia.....	11.35	
32 93 33 00-0073	EA	5	Gallon Camellia japonica - Camellia.....	18.87	
32 93 33 00-0074	EA	5	Gallon Ceanothus americanus - New Jersey Tea.....	21.79	
32 93 33 00-0075	EA	5	Gallon Celastrus scandens - Bittersweet.....	21.79	
32 93 33 00-0076	EA	36"	B&B Celastrus scandens - Bittersweet.....	18.49	
32 93 33 00-0077	EA	5	Gallon Cephalanthus occidentalis - Buttonbush.....	21.79	
32 93 33 00-0078	EA	24"	B&B Cephalanthus occidentalis - Buttonbush.....	16.51	
32 93 33 00-0079	EA	30"	B&B Cephalanthus occidentalis - Buttonbush.....	18.49	
32 93 33 00-0080	EA	36"	B&B Cephalanthus occidentalis - Buttonbush.....	19.81	
32 93 33 00-0081	EA	18"	To 24" Chaenomeles speciosa - Flowering Quince.....	19.01	
32 93 33 00-0082	EA	2'	To 3' Chaenomeles speciosa - Flowering Quince.....	25.33	
32 93 33 00-0083	EA	3'	To 4' Chaenomeles speciosa - Flowering Quince.....	39.09	
32 93 33 00-0084	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	21.13	
32 93 33 00-0085	EA	18"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	22.78	
32 93 33 00-0086	EA	24"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	25.42	
32 93 33 00-0087	EA	30"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	26.74	
32 93 33 00-0088	EA	36"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	31.37	
32 93 33 00-0089	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	30.08	
32 93 33 00-0090	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	37.60	
32 93 33 00-0091	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	48.17	
32 93 33 00-0092	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	66.19	
32 93 33 00-0093	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	19.81	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0094	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood.....	13.87
32 93 33 00-0095	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood.....	15.85
32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood.....	19.81
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood.....	23.77
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood.....	19.81
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood.....	21.79
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood.....	21.79
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood.....	19.81
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood.....	23.11
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood.....	25.09
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood.....	30.38
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	21.46
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	24.10
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	27.40
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood.....	17.17
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood.....	19.81
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood.....	21.13
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood.....	23.11
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood.....	25.75
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert.....	20.47
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert.....	23.11
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert.....	24.76
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert.....	26.74
32 93 33 00-0117	EA	24" B&B Corylus avellena - Contorted Hazelnut.....	66.03
32 93 33 00-0118	EA	30" B&B Corylus avellena - Contorted Hazelnut.....	85.85
32 93 33 00-0119	EA	36" B&B Corylus avellena - Contorted Hazelnut.....	92.45
32 93 33 00-0120	EA	42" B&B Corylus avellena - Contorted Hazelnut.....	118.86
32 93 33 00-0121	EA	48" B&B Corylus avellena - Contorted Hazelnut.....	145.28
32 93 33 00-0122	EA	60" B&B Corylus avellena - Contorted Hazelnut.....	165.09
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree.....	63.21
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree.....	94.78
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree.....	142.94
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51
32 93 33 00-0127	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51
32 93 33 00-0128	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.17
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	15.82
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17
32 93 33 00-0131	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	16.51
32 93 33 00-0132	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	6.81
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	21.07
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	28.45
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	48.17
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	6.81
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	13.41
32 93 33 00-0139	EA	18" B&B Deutzia gracilis - Slender Deutzia.....	16.84
32 93 33 00-0140	EA	24" B&B Deutzia gracilis - Slender Deutzia.....	18.49
32 93 33 00-0141	EA	30" B&B Deutzia gracilis - Slender Deutzia.....	23.77
32 93 33 00-0142	EA	36" B&B Deutzia gracilis - Slender Deutzia.....	27.73
32 93 33 00-0143	EA	42" B&B Deutzia gracilis - Slender Deutzia.....	31.70
32 93 33 00-0144	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	26.41
32 93 33 00-0145	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	31.70
32 93 33 00-0146	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	36.98
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	9.91
32 93 33 00-0148	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	23.77
32 93 33 00-0149	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	31.70
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive.....	19.72
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive.....	27.10
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive.....	32.42
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustifolia - Russian Olive.....	31.57
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot.....	5.68
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot.....	11.92
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot.....	16.39
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	4.84
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	13.97
32 93 33 00-0159	EA	24" B&B Euonymus alatus - Winged Euonymus.....	18.83
32 93 33 00-0160	EA	30" B&B Euonymus alatus - Winged Euonymus.....	23.54
32 93 33 00-0161	EA	36" B&B Euonymus alatus - Winged Euonymus.....	32.35
32 93 33 00-0162	EA	42" B&B Euonymus alatus - Winged Euonymus.....	39.94
32 93 33 00-0163	EA	48" B&B Euonymus alatus - Winged Euonymus.....	47.08
32 93 33 00-0164	EA	54" B&B Euonymus alatus - Winged Euonymus.....	60.75
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	17.47
32 93 33 00-0166	EA	60" B&B Euonymus alatus - Winged Euonymus.....	75.94
32 93 33 00-0167	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	29.72
32 93 33 00-0168	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	35.33
32 93 33 00-0169	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	46.22
32 93 33 00-0170	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	55.47
32 93 33 00-0171	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	68.68
32 93 33 00-0172	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo.....	17.83
32 93 33 00-0173	EA	1 Gallon Euonymus fortunei - Wintercreeper.....	6.81
32 93 33 00-0174	EA	2 Gallon Euonymus fortunei - Wintercreeper.....	13.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0175	EA	3	Gallon Euonymus fortunei - Wintercreeper.....	16.39	
32 93 33 00-0176	EA	5	Gallon Euonymus fortunei - Wintercreeper.....	19.44	
32 93 33 00-0177	EA	2'	To 3' Forsythia - Korean Forsythia.....	15.04	
32 93 33 00-0178	EA	3'	To 4' Forsythia - Korean Forsythia.....	19.01	
32 93 33 00-0179	EA	4'	To 5' Forsythia - Korean Forsythia.....	23.69	
32 93 33 00-0180	EA	30"	B&B Forsythia cvs - Forsythia cultivars.....	15.19	
32 93 33 00-0181	EA	36"	B&B Forsythia cvs - Forsythia cultivars.....	16.84	
32 93 33 00-0182	EA	48"	B&B Forsythia cvs - Forsythia cultivars.....	18.16	
32 93 33 00-0183	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia.....	15.85	
32 93 33 00-0184	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia.....	21.13	
32 93 33 00-0185	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	15.85	
32 93 33 00-0186	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	18.49	
32 93 33 00-0187	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	21.79	
32 93 33 00-0188	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	25.09	
32 93 33 00-0189	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	29.06	
32 93 33 00-0190	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	22.45	
32 93 33 00-0191	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	31.37	
32 93 33 00-0192	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	33.02	
32 93 33 00-0193	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	34.34	
32 93 33 00-0194	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	36.98	
32 93 33 00-0195	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	44.90	
32 93 33 00-0196	EA	24"	B&B Fothergilla major - Large Fothergilla.....	58.11	
32 93 33 00-0197	EA	30"	B&B Fothergilla major - Large Fothergilla.....	66.03	
32 93 33 00-0198	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	4.90	
32 93 33 00-0199	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	12.84	
32 93 33 00-0200	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	16.39	
32 93 33 00-0201	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	46.22	
32 93 33 00-0202	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	75.28	
32 93 33 00-0203	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	95.09	
32 93 33 00-0204	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	145.28	
32 93 33 00-0205	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	165.09	
32 93 33 00-0206	EA	1	Gallon Hedychium gartdnerum - Variegated Ginger.....	2.81	
32 93 33 00-0207	EA	3	Gallon Hedychium gartdnerum - Variegated Ginger.....	9.87	
32 93 33 00-0208	EA	5	Gallon Hedychium gartdnerum - Variegated Ginger.....	18.98	
32 93 33 00-0209	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	7.20	
32 93 33 00-0210	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	12.15	
32 93 33 00-0211	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	18.38	
32 93 33 00-0212	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	19.01	
32 93 33 00-0213	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon.....	16.17	
32 93 33 00-0214	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon.....	21.85	
32 93 33 00-0215	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon.....	31.57	
32 93 33 00-0216	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon.....	43.63	
32 93 33 00-0217	EA	2	Gallon Hydrangea - Blue Hydrangea.....	13.41	
32 93 33 00-0218	EA	5	Gallon Hydrangea - Blue Hydrangea.....	18.87	
32 93 33 00-0219	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	21.07	
32 93 33 00-0220	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	24.05	
32 93 33 00-0221	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	13.41	
32 93 33 00-0222	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	23.11	
32 93 33 00-0223	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	25.09	
32 93 33 00-0224	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	29.06	
32 93 33 00-0225	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	30.38	
32 93 33 00-0226	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	23.77	
32 93 33 00-0227	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	31.70	
32 93 33 00-0228	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	13.87	
32 93 33 00-0229	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	16.51	
32 93 33 00-0230	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	14.20	
32 93 33 00-0231	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	15.19	
32 93 33 00-0232	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	17.17	
32 93 33 00-0233	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	19.81	
32 93 33 00-0234	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.41	
32 93 33 00-0235	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	19.15	
32 93 33 00-0236	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	21.79	
32 93 33 00-0237	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	25.75	
32 93 33 00-0238	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	13.41	
32 93 33 00-0239	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort.....	15.85	
32 93 33 00-0240	EA	24"	B&B Hypericum kalmianum - Kalm St. John's Wort.....	17.17	
32 93 33 00-0241	EA	1	Gallon Ilex "Carissa" - Holly.....	6.81	
32 93 33 00-0242	EA	2	Gallon Ilex "Carissa" - Holly.....	13.41	
32 93 33 00-0243	EA	5	Gallon Ilex "Carissa" - Holly.....	18.87	
32 93 33 00-0244	EA	18"	To 24" Ilex - Gulfside Sweet Holly.....	18.09	
32 93 33 00-0245	EA	2'	To 2-1/2' Ilex - Gulfside Sweet Holly.....	22.91	
32 93 33 00-0246	EA	2-1/2'	To 3' Ilex - Gulfside Sweet Holly.....	29.72	
32 93 33 00-0247	EA	3'	To 3-1/2' Ilex - Gulfside Sweet Holly.....	36.11	
32 93 33 00-0248	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly.....	13.51	
32 93 33 00-0249	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	6.81	
32 93 33 00-0250	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	13.41	
32 93 33 00-0251	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	19.44	
32 93 33 00-0252	EA	1	Gallon Ilex crenata - Hellers Japanese Holly.....	6.81	
32 93 33 00-0253	EA	2	Gallon Ilex crenata - Hellers Japanese Holly.....	14.90	
32 93 33 00-0254	EA	3	Gallon Ilex crenata - Hellers Japanese Holly.....	19.44	
32 93 33 00-0255	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly.....	14.90	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0256	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	17.95	
32 93 33 00-0257	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	36.11	
32 93 33 00-0258	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	48.17	
32 93 33 00-0259	EA	2' To 3' Ilex opaca - American Holly	48.17	
32 93 33 00-0260	EA	3' To 4' Ilex opaca - American Holly	79.74	
32 93 33 00-0261	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0262	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0263	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0264	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0265	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0266	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0267	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0268	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0269	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0270	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0271	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0272	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0273	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0274	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0275	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0276	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0277	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0278	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0279	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0280	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0281	EA	24" B&B Ilex meserveae & cvs - Blue Holly	29.72	
32 93 33 00-0282	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0283	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0284	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0285	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0286	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0287	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0288	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0289	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0290	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0291	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0292	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0293	EA	1 Gallon Jasminum - Jasmine	1.75	
32 93 33 00-0294	EA	3 Gallon Jasminum - Jasmine	6.83	
32 93 33 00-0295	EA	3 Gallon Jasminum - Orange Jasmine	5.32	
32 93 33 00-0296	EA	4' - 5' Jasminum - Orange Jasmine	60.75	
32 93 33 00-0297	EA	6' - 7' Jasminum - Orange Jasmine	121.50	
32 93 33 00-0298	EA	8' - 10' Jasminum - Orange Jasmine	164.03	
32 93 33 00-0299	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	23.11	
32 93 33 00-0300	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	25.75	
32 93 33 00-0301	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper	34.34	
32 93 33 00-0302	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper	44.90	
32 93 33 00-0303	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper	52.83	
32 93 33 00-0304	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper	71.32	
32 93 33 00-0305	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper	97.73	
32 93 33 00-0306	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0307	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0308	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0309	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0310	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0311	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0312	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0313	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0314	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0315	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0316	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0317	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0318	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0319	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0320	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0321	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0322	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	
32 93 33 00-0323	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0324	EA	15' To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0325	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0326	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0327	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0328	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0329	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0330	EA	1 Gallon Kerria japonica - Kerria	6.03	
32 93 33 00-0331	EA	5 Gallon Kerria japonica - Kerria	18.87	
32 93 33 00-0332	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0333	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0334	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0335	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0336	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0337	EA		60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0338	EA		1 Gallon Lagerstroemia indica - Crepe Myrtle.....	4.54	
32 93 33 00-0339	EA		5 Gallon Lagerstroemia indica - Crepe Myrtle.....	16.17	
32 93 33 00-0340	EA		3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0341	EA		4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	
32 93 33 00-0342	EA		5' To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0343	EA		7' To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0344	EA		9' To 10' Lagerstroemia indica - Crepe Myrtle	91.13	
32 93 33 00-0345	EA		11' To 12' Lagerstroemia indica - Crepe Myrtle	189.85	
32 93 33 00-0346	EA		1 Gallon Leucothoe axillaris - Coast Leucothoe.....	6.81	
32 93 33 00-0347	EA		2 Gallon Leucothoe axillaris - Coast Leucothoe.....	14.90	
32 93 33 00-0348	EA		3 Gallon Leucothoe axillaris - Coast Leucothoe.....	17.95	
32 93 33 00-0349	EA		1 Gallon Ligustrum lucidum - Glossy Privet.....	4.19	
32 93 33 00-0350	EA		5 Gallon Ligustrum lucidum - Glossy Privet	12.84	
32 93 33 00-0351	EA		15 Gallon Ligustrum lucidum - Glossy Privet	60.16	
32 93 33 00-0352	EA		1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	4.19	
32 93 33 00-0353	EA		2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	9.01	
32 93 33 00-0354	EA		3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	11.71	
32 93 33 00-0355	EA		36" B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0356	EA		48" B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0357	EA		60" B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0358	EA		72" B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0359	EA		5 Gallon Lindera benzoin - Spicebush	21.79	
32 93 33 00-0360	EA		36" B&B Lindera benzoin - Spicebush	18.49	
32 93 33 00-0361	EA		48" B&B Lindera benzoin - Spicebush	22.45	
32 93 33 00-0362	EA		2' To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11	
32 93 33 00-0363	EA		3' To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63	
32 93 33 00-0364	EA		30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81	
32 93 33 00-0365	EA		36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77	
32 93 33 00-0366	EA		42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41	
32 93 33 00-0367	EA		48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06	
32 93 33 00-0368	EA		1 Gallon Myrica cerifera - Wax Myrtle	3.80	
32 93 33 00-0369	EA		4 Gallon Myrica cerifera - Wax Myrtle	12.15	
32 93 33 00-0370	EA		7 Gallon Myrica cerifera - Wax Myrtle	26.58	
32 93 33 00-0371	EA		10 Gallon Myrica cerifera - Wax Myrtle	39.49	
32 93 33 00-0372	EA		15 Gallon Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0373	EA		45 Gallon Myrica cerifera - Wax Myrtle.....	182.26	
32 93 33 00-0374	EA		1' - 2' Myrica cerifera - Wax Myrtle.....	5.32	
32 93 33 00-0375	EA		3' - 4' Myrica cerifera - Wax Myrtle.....	18.23	
32 93 33 00-0376	EA		5' - 6' Myrica cerifera - Wax Myrtle.....	33.41	
32 93 33 00-0377	EA		7' - 8' Myrica cerifera - Wax Myrtle.....	45.56	
32 93 33 00-0378	EA		9' - 10' Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0379	EA		11' - 12' Myrica cerifera - Wax Myrtle.....	92.65	
32 93 33 00-0380	EA		3 Gallon Myrica pensylvanica - Northern Bayberry.....	19.81	
32 93 33 00-0381	EA		24" B&B Myrica pensylvanica - Northern Bayberry.....	32.36	
32 93 33 00-0382	EA		30" B&B Myrica pensylvanica - Northern Bayberry.....	47.54	
32 93 33 00-0383	EA		36" B&B Myrica pensylvanica - Northern Bayberry.....	56.79	
32 93 33 00-0384	EA		48" B&B Myrica pensylvanica - Northern Bayberry.....	59.43	
32 93 33 00-0385	EA		1 Gallon Nandina domestica - Heavenly Bamboo	6.81	
32 93 33 00-0386	EA		2 Gallon Nandina domestica - Heavenly Bamboo	14.90	
32 93 33 00-0387	EA		5 Gallon Nandina domestica - Heavenly Bamboo	22.56	
32 93 33 00-0388	EA		1 Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0389	EA		3 Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0390	EA		1 Gallon Philadelphus - Evergreen Mockorange.....	5.82	
32 93 33 00-0391	EA		5 Gallon Philadelphus - Evergreen Mockorange.....	18.87	
32 93 33 00-0392	EA		36" B&B Philadelphus x virginialis & cvs - Mockorange.....	19.81	
32 93 33 00-0393	EA		42" B&B Philadelphus x virginialis & cvs - Mockorange.....	23.11	
32 93 33 00-0394	EA		48" B&B Philadelphus x virginialis & cvs - Mockorange.....	26.41	
32 93 33 00-0395	EA		24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	19.81	
32 93 33 00-0396	EA		30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	23.11	
32 93 33 00-0397	EA		36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	26.41	
32 93 33 00-0398	EA		42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	33.02	
32 93 33 00-0399	EA		48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	39.62	
32 93 33 00-0400	EA		12" To 15" Spread Pieris - Mountain Andromeda	18.23	
32 93 33 00-0401	EA		15" To 18" Spread Pieris - Mountain Andromeda	39.09	
32 93 33 00-0402	EA		12" To 15" Pieris japonica - Japanese Andromeda.....	23.69	
32 93 33 00-0403	EA		15" To 18" Pieris japonica - Japanese Andromeda.....	27.10	
32 93 33 00-0404	EA		18" To 24" Pieris japonica - Japanese Andromeda.....	33.91	
32 93 33 00-0405	EA		2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	48.17	
32 93 33 00-0406	EA		2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	57.18	
32 93 33 00-0407	EA		24" B&B Pinus mugo & cvs - Mugo Pine	33.02	
32 93 33 00-0408	EA		30" B&B Pinus mugo & cvs - Mugo Pine	42.26	
32 93 33 00-0409	EA		36" B&B Pinus mugo & cvs - Mugo Pine	50.85	
32 93 33 00-0410	EA		48" B&B Pinus mugo & cvs - Mugo Pine	65.37	
32 93 33 00-0411	EA		60" B&B Pinus mugo & cvs - Mugo Pine	78.58	
32 93 33 00-0412	EA		72" B&B Pinus mugo & cvs - Mugo Pine	114.90	
32 93 33 00-0413	EA		30" B&B Pinus mugo compacta - Dwarf Mugo Pine	71.32	
32 93 33 00-0414	EA		36" B&B Pinus mugo compacta - Dwarf Mugo Pine	85.85	
32 93 33 00-0415	EA		48" B&B Pinus mugo compacta - Dwarf Mugo Pine	114.24	
32 93 33 00-0416	EA		1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0417	EA		3 Gallon Pittosporum - Pittosporum	6.45	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0418 EA 1 Gallon Pittosporum - Varigated Pittosporum.....	2.51	
32 93 33 00-0419 EA 3 Gallon Pittosporum - Varigated Pittosporum.....	6.45	
32 93 33 00-0420 EA 5 Gallon Pittosporum - Varigated Pittosporum.....	11.32	
32 93 33 00-0421 EA 2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.23	
32 93 33 00-0422 EA 5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	15.85	
32 93 33 00-0423 EA 18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.89	
32 93 33 00-0424 EA 24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	13.21	
32 93 33 00-0425 EA 30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	19.15	
32 93 33 00-0426 EA 36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	22.12	
32 93 33 00-0427 EA 1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.54	
32 93 33 00-0428 EA 3 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.35	
32 93 33 00-0429 EA 15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	67.68	
32 93 33 00-0430 EA 15" To 18" Prunus laurocerasus - Cherry Laurel.....	17.31	
32 93 33 00-0431 EA 18" To 24" Prunus laurocerasus - Cherry Laurel.....	21.42	
32 93 33 00-0432 EA 24" To 30" Prunus laurocerasus - Cherry Laurel.....	27.88	
32 93 33 00-0433 EA 15" To 18" Prunus triloba - Double White Flowering Almond.....	15.46	
32 93 33 00-0434 EA 18" To 24" Prunus triloba - Double White Flowering Almond.....	19.79	
32 93 33 00-0435 EA 3' To 4' Prunus triloba - Double White Flowering Almond.....	31.57	
32 93 33 00-0436 EA 4' To 6' Prunus triloba - Double White Flowering Almond.....	63.21	
32 93 33 00-0437 EA 5 Gallon Prunus triloba - Pink Flowering Almond.....	19.01	
32 93 33 00-0438 EA 18" To 24" Prunus triloba - Pink Flowering Almond.....	21.35	
32 93 33 00-0439 EA 2' To 3' Prunus triloba - Pink Flowering Almond.....	24.83	
32 93 33 00-0440 EA 2' To 3' Prunus virginiana - Brilliant Chokeberry.....	16.88	
32 93 33 00-0441 EA 3' To 4' Prunus virginiana - Brilliant Chokeberry.....	20.71	
32 93 33 00-0442 EA 4' To 5' Prunus virginiana - Brilliant Chokeberry.....	24.83	
32 93 33 00-0443 EA 5' To 6' Prunus virginiana - Brilliant Chokeberry.....	28.45	
32 93 33 00-0444 EA 1 Gallon Punica granatum - Dwarf Pomegranate.....	4.47	
32 93 33 00-0445 EA 3 Gallon Punica granatum - Dwarf Pomegranate.....	13.20	
32 93 33 00-0446 EA 7 Gallon Punica granatum - Dwarf Pomegranate.....	27.10	
32 93 33 00-0447 EA 1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	5.68	
32 93 33 00-0448 EA 5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	18.87	
32 93 33 00-0449 EA 5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	39.09	
32 93 33 00-0450 EA 1 Gallon Ralphialepis indica - Indian Hawthorne.....	4.54	
32 93 33 00-0451 EA 2 Gallon Ralphialepis indica - Indian Hawthorne.....	8.65	
32 93 33 00-0452 EA 5 Gallon Ralphialepis indica - Indian Hawthorne.....	15.39	
32 93 33 00-0453 EA 4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	34.62	
32 93 33 00-0454 EA 5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	47.46	
32 93 33 00-0455 EA 6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	61.72	
32 93 33 00-0456 EA 10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	112.86	
32 93 33 00-0457 EA 1 Gallon Rhododendron - Azalea Evergreen Hybrids.....	7.38	
32 93 33 00-0458 EA 2 Gallon Rhododendron - Azalea Evergreen Hybrids.....	14.90	
32 93 33 00-0459 EA 3 Gallon Rhododendron - Azalea Evergreen Hybrids.....	19.44	
32 93 33 00-0460 EA 5 Gallon Rhododendron - Azalea Evergreen Hybrids.....	22.56	
32 93 33 00-0461 EA 15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	26.39	
32 93 33 00-0462 EA 18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	33.13	
32 93 33 00-0463 EA 2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	48.17	
32 93 33 00-0464 EA 2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	67.68	
32 93 33 00-0465 EA 1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	8.30	
32 93 33 00-0466 EA 2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	14.90	
32 93 33 00-0467 EA 15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	25.61	
32 93 33 00-0468 EA 18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	33.13	
32 93 33 00-0469 EA 2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	48.17	
32 93 33 00-0470 EA 3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.73	
32 93 33 00-0471 EA 4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	94.78	
32 93 33 00-0472 EA 5 Gallon Rhododendron - Boxleaf Azara.....	18.87	
32 93 33 00-0473 EA 15 Gallon Rhododendron - Boxleaf Azara.....	67.68	
32 93 33 00-0474 EA 15" To 18" Rhododendron - Carolina Rhododendron.....	21.35	
32 93 33 00-0475 EA 18" To 24" Rhododendron - Carolina Rhododendron.....	37.60	
32 93 33 00-0476 EA 24" To 30" Rhododendron - Carolina Rhododendron.....	55.69	
32 93 33 00-0477 EA 2' To 3' Rhododendron - Five-leafed Azalea.....	25.33	
32 93 33 00-0478 EA 3' To 4' Rhododendron - Five-leafed Azalea.....	33.13	
32 93 33 00-0479 EA 4' To 5' Rhododendron - Five-leafed Azalea.....	43.63	
32 93 33 00-0480 EA 15" To 18" Rhododendron - Ghent Azalea.....	25.33	
32 93 33 00-0481 EA 18" To 24" Rhododendron - Ghent Azalea.....	31.57	
32 93 33 00-0482 EA 2' To 3' Rhododendron - Ghent Azalea.....	51.15	
32 93 33 00-0483 EA 3' To 4' Rhododendron - Ghent Azalea.....	70.73	
32 93 33 00-0484 EA 4' To 5' Rhododendron - Ghent Azalea.....	94.78	
32 93 33 00-0485 EA 5' To 6' Rhododendron - Ghent Azalea.....	126.41	
32 93 33 00-0486 EA 1 Gallon Rhododendron - Hybrid Rhododendron.....	8.30	
32 93 33 00-0487 EA 2 Gallon Rhododendron - Hybrid Rhododendron.....	17.95	
32 93 33 00-0488 EA 3 Gallon Rhododendron - Hybrid Rhododendron.....	25.47	
32 93 33 00-0489 EA 5 Gallon Rhododendron - Hybrid Rhododendron.....	28.45	
32 93 33 00-0490 EA 15" To 18" Rhododendron - Hybrid Rhododendron.....	24.05	
32 93 33 00-0491 EA 18" To 24" Rhododendron - Hybrid Rhododendron.....	33.13	
32 93 33 00-0492 EA 24" To 30" Rhododendron - Hybrid Rhododendron.....	45.12	
32 93 33 00-0493 EA 30" To 36" Rhododendron - Hybrid Rhododendron.....	52.64	
32 93 33 00-0494 EA 36" To 42" Rhododendron - Hybrid Rhododendron.....	75.27	
32 93 33 00-0495 EA 42" To 48" Rhododendron - Hybrid Rhododendron.....	93.29	
32 93 33 00-0496 EA 15" To 18" Rhododendron - Pjm Rhododendron.....	27.10	
32 93 33 00-0497 EA 18" To 24" Rhododendron - Pjm Rhododendron.....	33.13	
32 93 33 00-0498 EA 2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	48.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0499	EA		2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	61.72	
32 93 33 00-0500	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	75.27	
32 93 33 00-0501	EA		12" To 15" Rhododendron - Torch Azalea.....	21.07	
32 93 33 00-0502	EA		15" To 18" Rhododendron - Torch Azalea.....	25.33	
32 93 33 00-0503	EA		18" To 24" Rhododendron - Torch Azalea.....	31.57	
32 93 33 00-0504	EA		2' To 3' Rhododendron - Torch Azalea.....	52.64	
32 93 33 00-0505	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	23.77	
32 93 33 00-0506	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	29.06	
32 93 33 00-0507	EA		18" B&B Rhododendron cvs - Lepidote Rhododendron.....	35.66	
32 93 33 00-0508	EA		24" B&B Rhododendron cvs - Lepidote Rhododendron.....	44.90	
32 93 33 00-0509	EA		30" B&B Rhododendron cvs - Lepidote Rhododendron.....	52.83	
32 93 33 00-0510	EA		36" B&B Rhododendron cvs - Lepidote Rhododendron.....	63.39	
32 93 33 00-0511	EA		1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	6.81	
32 93 33 00-0512	EA		5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	18.87	
32 93 33 00-0513	EA		2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	15.85	
32 93 33 00-0514	EA		5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	21.79	
32 93 33 00-0515	EA		18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	25.09	
32 93 33 00-0516	EA		24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	33.02	
32 93 33 00-0517	EA		36" B&B Rhus glabra - Smooth Sumac.....	19.81	
32 93 33 00-0518	EA		48" B&B Rhus typhina & cvs - Staghorn Sumac.....	33.02	
32 93 33 00-0519	EA		72" B&B Rhus typhina & cvs - Staghorn Sumac.....	52.83	
32 93 33 00-0520	EA		15" B&B Ribes alpinum & cvs - Alpine Currant.....	17.83	
32 93 33 00-0521	EA		18" B&B Ribes alpinum & cvs - Alpine Currant.....	20.47	
32 93 33 00-0522	EA		24" B&B Ribes alpinum & cvs - Alpine Currant.....	29.72	
32 93 33 00-0523	EA		30" B&B Ribes alpinum & cvs - Alpine Currant.....	39.62	
32 93 33 00-0524	EA		1 Gallon Rosa hybrids & cvs - Shrub Rose.....	10.90	
32 93 33 00-0525	EA		2 Gallon Rosa hybrids & cvs - Shrub Rose.....	13.21	
32 93 33 00-0526	EA		3 Gallon Rosa hybrids & cvs - Shrub Rose.....	16.51	
32 93 33 00-0527	EA		2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	11.89	
32 93 33 00-0528	EA		3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	15.19	
32 93 33 00-0529	EA		5 Gallon Sambucus canadensis - American Elder.....	21.79	
32 93 33 00-0530	EA		2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	9.79	
32 93 33 00-0531	EA		3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	14.33	
32 93 33 00-0532	EA		1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	5.32	
32 93 33 00-0533	EA		5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	13.90	
32 93 33 00-0534	EA		1 Gallon Skimmia japonica - Japanese Skimmia.....	6.81	
32 93 33 00-0535	EA		2 Gallon Skimmia japonica - Japanese Skimmia.....	13.55	
32 93 33 00-0536	EA		5 Gallon Skimmia japonica - Japanese Skimmia.....	21.85	
32 93 33 00-0537	EA		3' To 4' Spiraea - Garland Spiraea.....	31.57	
32 93 33 00-0538	EA		4' To 5' Spiraea - Garland Spiraea.....	48.17	
32 93 33 00-0539	EA		5 Gallon Spiraea - Snowmound Spiraea.....	18.87	
32 93 33 00-0540	EA		18" To 24" Spiraea - Snowmound Spiraea.....	15.46	
32 93 33 00-0541	EA		2' To 3' Spiraea - Snowmound Spiraea.....	21.85	
32 93 33 00-0542	EA		3' To 4' Spiraea - Snowmound Spiraea.....	25.33	
32 93 33 00-0543	EA		4' To 5' Spiraea - Snowmound Spiraea.....	43.63	
32 93 33 00-0544	EA		1 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	6.81	
32 93 33 00-0545	EA		2 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	13.41	
32 93 33 00-0546	EA		3 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	15.52	
32 93 33 00-0547	EA		5 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	16.84	
32 93 33 00-0548	EA		18" B&B Spiraea japonica & cvs - Japanese Spiraea.....	17.17	
32 93 33 00-0549	EA		24" B&B Spiraea japonica & cvs - Japanese Spiraea.....	19.81	
32 93 33 00-0550	EA		30" B&B Spiraea japonica & cvs - Japanese Spiraea.....	22.45	
32 93 33 00-0551	EA		36" B&B Spiraea japonica & cvs - Japanese Spiraea.....	26.08	
32 93 33 00-0552	EA		2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	10.57	
32 93 33 00-0553	EA		5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	15.85	
32 93 33 00-0554	EA		18" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	14.53	
32 93 33 00-0555	EA		24" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	17.17	
32 93 33 00-0556	EA		30" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	19.81	
32 93 33 00-0557	EA		36" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	22.45	
32 93 33 00-0558	EA		48" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	29.06	
32 93 33 00-0559	EA		1 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	6.81	
32 93 33 00-0560	EA		2 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	12.22	
32 93 33 00-0561	EA		4 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	15.85	
32 93 33 00-0562	EA		18" B&B Spiraea x bumalda & cvs - Bumalda Spiraea.....	13.87	
32 93 33 00-0563	EA		24" B&B Spiraea x bumalda & cvs - Bumalda Spiraea.....	16.84	
32 93 33 00-0564	EA		30" B&B Spiraea x bumalda & cvs - Bumalda Spiraea.....	19.81	
32 93 33 00-0565	EA		36" B&B Spiraea x bumalda & cvs - Bumalda Spiraea.....	22.45	
32 93 33 00-0566	EA		5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	15.85	
32 93 33 00-0567	EA		18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	15.85	
32 93 33 00-0568	EA		24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	18.49	
32 93 33 00-0569	EA		30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	25.09	
32 93 33 00-0570	EA		36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	29.06	
32 93 33 00-0571	EA		42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	34.34	
32 93 33 00-0572	EA		5 Gallon Staphylea trifolia - Bladdernut.....	22.29	
32 93 33 00-0573	EA		2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra.....	15.85	
32 93 33 00-0574	EA		5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra.....	17.17	
32 93 33 00-0575	EA		24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra.....	19.81	
32 93 33 00-0576	EA		30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra.....	23.77	
32 93 33 00-0577	EA		2 Gallon Symphoricarpos albus - Common Snowberry.....	16.51	
32 93 33 00-0578	EA		5 Gallon Symphoricarpos albus - Common Snowberry.....	17.50	
32 93 33 00-0579	EA		24" B&B Syringa meyeri & cvs - Meyer Lilac.....	29.06	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0580	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32	
32 93 33 00-0581	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26	
32 93 33 00-0582	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87	
32 93 33 00-0583	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	29.06	
32 93 33 00-0584	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	31.70	
32 93 33 00-0585	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	36.32	
32 93 33 00-0586	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	42.26	
32 93 33 00-0587	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	48.87	
32 93 33 00-0588	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11	
32 93 33 00-0589	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09	
32 93 33 00-0590	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81	
32 93 33 00-0591	EA	42" B&B Syringa vulgaris & cvs - Common Lilac	22.45	
32 93 33 00-0592	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09	
32 93 33 00-0593	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06	
32 93 33 00-0594	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66	
32 93 33 00-0595	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51	
32 93 33 00-0596	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	19.15	
32 93 33 00-0597	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	25.09	
32 93 33 00-0598	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00	
32 93 33 00-0599	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54	
32 93 33 00-0600	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43	
32 93 33 00-0601	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84	
32 93 33 00-0602	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73	
32 93 33 00-0603	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32	
32 93 33 00-0604	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26	
32 93 33 00-0605	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22	
32 93 33 00-0606	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73	
32 93 33 00-0607	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32	
32 93 33 00-0608	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92	
32 93 33 00-0609	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85	
32 93 33 00-0610	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.60	
32 93 33 00-0611	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	42.26	
32 93 33 00-0612	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	56.79	
32 93 33 00-0613	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	85.85	
32 93 33 00-0614	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	125.47	
32 93 33 00-0615	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	143.96	
32 93 33 00-0616	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	167.07	
32 93 33 00-0617	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	18.49	
32 93 33 00-0618	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	25.75	
32 93 33 00-0619	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	36.32	
32 93 33 00-0620	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57	
32 93 33 00-0621	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17	
32 93 33 00-0622	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21	
32 93 33 00-0623	EA	1 Gallon Viburnum japonicum - Japanese Viburnum.....	3.83	
32 93 33 00-0624	EA	3 Gallon Viburnum japonicum - Japanese Viburnum.....	10.50	
32 93 33 00-0625	EA	5 Gallon Viburnum plicatum - Japanese Snowball.....	18.87	
32 93 33 00-0626	EA	5' To 6' Viburnum plicatum - Japanese Snowball.....	70.73	
32 93 33 00-0627	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	33.13	
32 93 33 00-0628	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	39.09	
32 93 33 00-0629	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	54.98	
32 93 33 00-0630	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32	
32 93 33 00-0631	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58	
32 93 33 00-0632	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02	
32 93 33 00-0633	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62	
32 93 33 00-0634	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22	
32 93 33 00-0635	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0636	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0637	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0638	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0639	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0640	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0641	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0642	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	
32 93 33 00-0643	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0644	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0645	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0646	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0647	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0648	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0649	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0650	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0651	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0652	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0653	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0654	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0655	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0656	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0657	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0658	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0659	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0660	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0661	EA		96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	165.09	
32 93 33 00-0662	EA		108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	198.10	
32 93 33 00-0663	EA		120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	231.12	
32 93 33 00-0664	EA		30" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	20.14	
32 93 33 00-0665	EA		36" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	22.12	
32 93 33 00-0666	EA		48" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	25.09	
32 93 33 00-0667	EA		60" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	29.06	
32 93 33 00-0668	EA		72" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	33.35	
32 93 33 00-0669	EA		18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	19.15	
32 93 33 00-0670	EA		24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	23.11	
32 93 33 00-0671	EA		30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	27.73	
32 93 33 00-0672	EA		36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	31.70	
32 93 33 00-0673	EA		42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	38.30	
32 93 33 00-0674	EA		48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	42.26	
32 93 33 00-0675	EA		30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	33.02	
32 93 33 00-0676	EA		36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	39.62	
32 93 33 00-0677	EA		42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	46.22	
32 93 33 00-0678	EA		48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	52.83	
32 93 33 00-0679	EA		60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	59.43	
32 93 33 00-0680	EA		30" B&B Viburnum x juddii & cvs - Judd Viburnum.....	42.26	
32 93 33 00-0681	EA		36" B&B Viburnum x juddii & cvs - Judd Viburnum.....	47.54	
32 93 33 00-0682	EA		42" B&B Viburnum x juddii & cvs - Judd Viburnum.....	54.15	
32 93 33 00-0683	EA		48" B&B Viburnum x juddii & cvs - Judd Viburnum.....	62.07	
32 93 33 00-0684	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	39.09	
32 93 33 00-0685	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	48.17	
32 93 33 00-0686	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	70.73	
32 93 33 00-0687	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	21.79	
32 93 33 00-0688	EA		24" B&B Weigela florida & cvs - Old Fashioned Weigela.....	19.81	
32 93 33 00-0689	EA		30" B&B Weigela florida & cvs - Old Fashioned Weigela.....	22.45	
32 93 33 00-0690	EA		36" B&B Weigela florida & cvs - Old Fashioned Weigela.....	25.09	
32 93 33 00-0691	EA		42" B&B Weigela florida & cvs - Old Fashioned Weigela.....	29.06	
32 93 33 00-0692	EA		48" B&B Weigela florida & cvs - Old Fashioned Weigela.....	33.02	
32 93 33 00-0693	EA		1 Gallon Xylosma congestum - Shiny Xylosma.....	4.54	
32 93 33 00-0694	EA		5 Gallon Xylosma congestum - Shiny Xylosma.....	12.84	
32 93 33 00-0695	EA		15 Gallon Xylosma congestum - Shiny Xylosma.....	56.47	
32 93 33 00-0696	EA		1 Gallon Yucca aloifolia - Spanish Bayonet.....	3.83	
32 93 33 00-0697	EA		3 Gallon Yucca aloifolia - Spanish Bayonet.....	10.14	
32 93 33 00-0698	EA		1 Gallon Yucca filamentosa - Adams Needle.....	5.32	
32 93 33 00-0699	EA		3 Gallon Yucca filamentosa - Adams Needle.....	10.36	
32 93 33 00-0700	EA		5 Gallon Yucca filamentosa - Adams Needle.....	16.39	
32 93 33 00-0701	EA		18" To 24" Euonymus Alatus - Winged Burning Bush.....	21.07	
32 93 33 00-0702	EA		2' To 2-1/2' Euonymus Alatus - Winged Burning Bush.....	24.83	
32 93 33 00-0703	EA		2-1/2' To 3' Euonymus Alatus - Winged Burning Bush.....	33.91	
32 93 33 00-0704	EA		3' To 3-1/2' Euonymus Alatus - Winged Burning Bush.....	40.65	
32 93 33 00-0705	EA		3-1/2' To 4' Euonymus Alatus - Winged Burning Bush.....	51.15	
32 93 33 00-0706	EA		4' To 5' Euonymus Alatus - Winged Burning Bush.....	72.22	
32 93 33 00-0707	EA		5' To 6' Euonymus Alatus - Winged Burning Bush.....	90.31	
32 93 33 00-0708	EA		6' To 8' Euonymus Alatus - Winged Burning Bush.....	105.35	
32 93 33 00-0709	EA		15" To 18" Euonymus Alatus - Dwarf Winged Burning Bush.....	21.07	
32 93 33 00-0710	EA		18" To 24" Euonymus Alatus - Dwarf Winged Burning Bush.....	24.05	
32 93 33 00-0711	EA		2' To 2-1/2' Euonymus Alatus - Dwarf Winged Burning Bush.....	29.37	
32 93 33 00-0712	EA		2-1/2' To 3' Euonymus Alatus - Dwarf Winged Burning Bush.....	41.43	
32 93 33 00-0713	EA		3' To 3-1/2' Euonymus Alatus - Dwarf Winged Burning Bush.....	48.95	
32 93 33 00-0714	EA		3-1/2' To 4' Euonymus Alatus - Dwarf Winged Burning Bush.....	58.67	
32 93 33 00-0715	EA		4' To 5' Euonymus Alatus - Dwarf Winged Burning Bush.....	82.79	
32 93 33 00-0716	EA		5' To 6' Euonymus Alatus - Dwarf Winged Burning Bush.....	97.83	
32 93 33 00-0717	EA		5 Gallon Border Forsythia - Goldenbells.....	18.23	
32 93 33 00-0718	EA		2' To 3' Border Forsythia - Goldenbells.....	15.04	
32 93 33 00-0719	EA		3' To 4' Border Forsythia - Goldenbells.....	19.01	
32 93 33 00-0720	EA		4' To 5' Border Forsythia - Goldenbells.....	23.69	
32 93 33 00-0721	EA		5' To 6' Border Forsythia - Goldenbells.....	28.45	
32 93 33 00-0722	EA		6' To 8' Border Forsythia - Goldenbells.....	39.09	
32 93 33 00-0723	EA		3' Juniperus chinensis - Columnar Chinese Juniper.....	38.73	
32 93 33 00-0724	EA		4' Juniperus chinensis - Columnar Chinese Juniper.....	53.16	
32 93 33 00-0725	EA		5' Juniperus chinensis - Columnar Chinese Juniper.....	83.53	
32 93 33 00-0726	EA		6' Juniperus chinensis - Columnar Chinese Juniper.....	97.20	
32 93 33 00-0727	EA		7' Juniperus chinensis - Columnar Chinese Juniper.....	127.58	
32 93 33 00-0728	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	7.59	
32 93 33 00-0729	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	10.63	
32 93 33 00-0730	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	25.74	
32 93 33 00-0731	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	7.59	
32 93 33 00-0732	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	10.63	

32 93 43 Trees (32 93)

Note: (cvs = cultivar) materials only.

32 93 43 00-0001 Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA		6' Clump Form Acer ginnala & cvs - Amur Maple.....	117.80	
32 93 43 00-0003	EA		7' Clump Form Acer ginnala & cvs - Amur Maple.....	143.98	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	163.61	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	189.79	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA	1-1/2" Caliber Aesculus californica - California Buckeye	261.77	
32 93 43 00-0013	EA	2" Caliber Aesculus californica - California Buckeye	340.31	
32 93 43 00-0014	EA	2-1/2" Caliber Aesculus californica - California Buckeye	392.66	
32 93 43 00-0015	EA	3" Caliber Aesculus californica - California Buckeye	445.02	
32 93 43 00-0016	EA	3-1/2" Caliber Aesculus californica - California Buckeye	523.55	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	52.83	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	66.03	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	81.88	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA	7" B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA	8" B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA	7" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA	8" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA	9" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA	7" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0030	EA	8" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0031	EA	9" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0032	EA	10" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0033	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	52.83	
32 93 43 00-0034	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	112.26	
32 93 43 00-0035	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	145.28	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	24.80	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	37.21	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	46.51	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	57.93	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0060	EA	1 Gallon Platanus Racemosa - California Sycamore	7.13	
32 93 43 00-0061	EA	5 Gallon Platanus Racemosa - California Sycamore	20.40	
32 93 43 00-0062	EA	15 Gallon Platanus Racemosa - California Sycamore	61.22	
32 93 43 00-0063	EA	24" Box Platanus Racemosa - California Sycamore	163.27	
32 93 43 00-0064	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0065	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0066	EA	20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0067	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0068	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0069	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0070	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0071	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0072	EA	5 Gallon Prunus cerasifera - Thundercloud Flowering Plum	23.77	
32 93 43 00-0073	EA	15 Gallon Prunus cerasifera - Thundercloud Flowering Plum	65.11	
32 93 43 00-0074	EA	20 Gallon Prunus cerasifera - Thundercloud Flowering Plum	84.80	
32 93 43 00-0075	EA	5' To 6' Prunus cerasifera - Thundercloud Flowering Plum	26.87	
32 93 43 00-0076	EA	6' To 8' Prunus cerasifera - Thundercloud Flowering Plum	51.68	
32 93 43 00-0077	EA	1-1/2" To 2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	95.13	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	113.74	
32 93 43 00-0079	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0080	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0081	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0082	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0083	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0084	EA	15 Gallon Pyrus - Aristocrat Flowering Pear	71.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0085	EA		20 Gallon Pyrus - Aristocrat Flowering Pear.....	89.82	
32 93 43 00-0086	EA		1-1/2" To 2" Caliper Pyrus - Aristocrat Flowering Pear.....	93.41	
32 93 43 00-0087	EA		2" To 2-1/2" Caliper Pyrus - Aristocrat Flowering Pear.....	111.37	
32 93 43 00-0088	EA		2-1/2" To 3" Caliper Pyrus - Aristocrat Flowering Pear.....	150.89	
32 93 43 00-0089	EA		3" To 3-1/2" Caliper Pyrus - Aristocrat Flowering Pear.....	197.60	
32 93 43 00-0090	EA		3-1/2" To 4" Caliper Pyrus - Aristocrat Flowering Pear.....	251.49	
32 93 43 00-0091	EA		15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	71.85	
32 93 43 00-0092	EA		20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	89.82	
32 93 43 00-0093	EA		1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	61.08	
32 93 43 00-0094	EA		2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	93.41	
32 93 43 00-0095	EA		2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	111.28	
32 93 43 00-0096	EA		3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	150.89	
32 93 43 00-0097	EA		3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	197.60	
32 93 43 00-0098	EA		1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	130.89	
32 93 43 00-0099	EA		2" Caliper Pyrus calleryana & cvs - Callery Pear.....	163.61	
32 93 43 00-0100	EA		2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	202.87	
32 93 43 00-0101	EA		3" Caliper Pyrus calleryana & cvs - Callery Pear.....	229.05	
32 93 43 00-0102	EA		3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	255.23	
32 93 43 00-0103	EA		4" Caliper Pyrus calleryana & cvs - Callery Pear.....	327.22	
32 93 43 00-0104	EA		1 Gallon Quercus agrifolia - Coast Live Oak.....	7.13	
32 93 43 00-0105	EA		5 Gallon Quercus agrifolia - Coast Live Oak.....	20.40	
32 93 43 00-0106	EA		15 Gallon Quercus agrifolia - Coast Live Oak.....	61.22	
32 93 43 00-0107	EA		24" Box Quercus agrifolia - Coast Live Oak.....	214.29	
32 93 43 00-0108	EA		1 Gallon Rhamnus californica - Coffeeberry.....	7.13	
32 93 43 00-0109	EA		5 Gallon Rhamnus californica - Coffeeberry.....	20.40	
32 93 43 00-0110	EA		15 Gallon Rhamnus californica - Coffeeberry.....	61.22	
32 93 43 00-0111	EA		1 Gallon Rhus integrifolia - Lemonade Berry.....	7.13	
32 93 43 00-0112	EA		5 Gallon Rhus integrifolia - Lemonade Berry.....	20.40	
32 93 43 00-0113	EA		15 Gallon Rhus integrifolia - Lemonade Berry.....	61.22	
32 93 43 00-0114	EA		24" Box Rhus integrifolia - Lemonade Berry.....	204.09	
32 93 43 00-0115	EA		1 Gallon Ribes aureum - Golden Currant.....	7.13	
32 93 43 00-0116	EA		5 Gallon Ribes aureum - Golden Currant.....	20.40	
32 93 43 00-0117	EA		1 Gallon Ribes sanguineum - Red Flowering Currant.....	7.13	
32 93 43 00-0118	EA		5 Gallon Ribes sanguineum - Red Flowering Currant.....	20.40	
32 93 43 00-0119	EA		1 Gallon Ribes speciosum - Flowering Gooseberry.....	7.13	
32 93 43 00-0120	EA		5 Gallon Ribes speciosum - Flowering Gooseberry.....	20.40	
32 93 43 00-0121	EA		1 Gallon Ribes viburnifolium - Evergreen Currant.....	7.13	
32 93 43 00-0122	EA		5 Gallon Ribes viburnifolium - Evergreen Currant.....	20.40	
32 93 43 00-0123	EA		8" Cassia leptophlia - Gold Medallion Tree.....	188.70	
32 93 43 00-0124	EA		10" Cassia leptophlia - Gold Medallion Tree.....	239.50	
32 93 43 00-0125	EA		12" Cassia leptophlia - Gold Medallion Tree.....	290.30	
32 93 43 00-0126	EA		6" Magnolia grandiflora 'St. Mary's'.....	217.72	
32 93 43 00-0127	EA		8" Magnolia grandiflora 'St. Mary's'.....	384.65	
32 93 43 00-0128	EA		10" Magnolia grandiflora 'St. Mary's'.....	483.35	
32 93 43 00-0129	EA		12" Magnolia grandiflora 'St. Mary's'.....	580.60	
32 93 43 00-0130	EA		14" Magnolia grandiflora 'St. Mary's'.....	674.95	
32 93 43 00-0131	EA		16" Magnolia grandiflora 'St. Mary's'.....	798.32	
32 93 43 00-0132	EA		24" Box Magnolia grandiflora 'St. Mary's'.....	239.50	
32 93 43 00-0133	EA		6" Prunus cerasifera - Purple Leaf Plum.....	113.22	
32 93 43 00-0134	EA		8" Prunus cerasifera - Purple Leaf Plum.....	130.64	
32 93 43 00-0135	EA		10" Prunus cerasifera - Purple Leaf Plum.....	168.37	
32 93 43 00-0136	EA		24" Box Prunus cerasifera - Purple Leaf Plum.....	179.26	
32 93 43 00-0137	EA		30" Box Prunus cerasifera - Purple Leaf Plum.....	362.88	
32 93 43 00-0138	EA		36" Box Prunus cerasifera - Purple Leaf Plum.....	556.65	
32 93 43 00-0139	EA		6" Pittosporum phylliraeoides - Willow Pittorporum.....	236.59	
32 93 43 00-0140	EA		8" Pittosporum phylliraeoides - Willow Pittorporum.....	338.20	
32 93 43 00-0141	EA		10" Pittosporum phylliraeoides - Willow Pittorporum.....	404.97	
32 93 43 00-0142	EA		12" Pittosporum phylliraeoides - Willow Pittorporum.....	522.54	
32 93 43 00-0143	EA		6" Stenocarpus sinuatus - Firewheel Tree.....	348.36	
32 93 43 00-0144	EA		8" Stenocarpus sinuatus - Firewheel Tree.....	464.48	
32 93 43 00-0145	EA		10" Stenocarpus sinuatus - Firewheel Tree.....	580.60	
32 93 43 00-0146	EA		12" Stenocarpus sinuatus - Firewheel Tree.....	696.72	
32 93 43 00-0147	EA		24" Box Tabebuia ipi - Pink Trumpet.....	338.20	
32 93 43 00-0148	EA		36" Box Tabebuia ipi - Pink Trumpet.....	899.93	
32 93 43 00-0149	EA		1-1/2" Caliber Arbutus menziesii - Madrona.....	252.43	
32 93 43 00-0150	EA		2" Caliber Arbutus menziesii - Madrona.....	328.17	
32 93 43 00-0151	EA		2-1/2" Caliber Arbutus menziesii - Madrona.....	378.65	
32 93 43 00-0152	EA		3" Caliber Arbutus menziesii - Madrona.....	429.14	
32 93 43 00-0153	EA		3-1/2" Caliber Arbutus menziesii - Madrona.....	504.87	
32 93 43 00-0154	EA		1-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	174.18	
32 93 43 00-0155	EA		2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	283.04	
32 93 43 00-0156	EA		2-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	348.36	
32 93 43 00-0157	EA		3" Caliber Koelreuteria bipinnata - Chinese Lantern.....	384.65	
32 93 43 00-0158	EA		24" Box Koelreuteria bipinnata - Chinese Lantern.....	169.83	
32 93 43 00-0159	EA		30" Box Koelreuteria bipinnata - Chinese Lantern.....	391.90	
32 93 43 00-0160	EA		36" Box Koelreuteria bipinnata - Chinese Lantern.....	613.26	
32 93 43 00-0161	EA		1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	158.21	
32 93 43 00-0162	EA		2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	256.92	
32 93 43 00-0163	EA		2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	314.98	
32 93 43 00-0164	EA		3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	355.62	
32 93 43 00-0165	EA		6" Magnolia grandiflora - Southern Magnolia.....	107.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0166	EA	7' Magnolia grandiflora - Southern Magnolia.....	162.57	
32 93 43 00-0167	EA	8' Magnolia grandiflora - Southern Magnolia.....	227.89	
32 93 43 00-0168	EA	9' Magnolia grandiflora - Southern Magnolia.....	303.36	
32 93 43 00-0169	EA	10' Magnolia grandiflora - Southern Magnolia.....	461.58	
32 93 43 00-0170	EA	24" Box Magnolia grandiflora - Southern Magnolia.....	188.70	
32 93 43 00-0171	EA	1-1/2" Caliber Tipuana tipu - Tipu Tree.....	224.98	
32 93 43 00-0172	EA	2" Caliber Tipuana tipu - Tipu Tree.....	293.20	
32 93 43 00-0173	EA	2-1/2" Caliber Tipuana tipu - Tipu Tree.....	371.58	
32 93 43 00-0174	EA	3" Caliber Tipuana tipu - Tipu Tree.....	428.19	
32 93 43 00-0175	EA	3-1/2" Caliber Tipuana tipu - Tipu Tree.....	629.95	
32 93 43 00-0176	EA	4" Caliber Tipuana tipu - Tipu Tree.....	841.87	
32 93 43 00-0177	EA	24" Box Tipuana tipu - Tipu Tree.....	169.83	
32 93 43 00-0178	EA	6' Albizia julibrissin - Silk Tree.....	348.36	
32 93 43 00-0179	EA	8' Albizia julibrissin - Silk Tree.....	464.48	
32 93 43 00-0180	EA	10' Albizia julibrissin - Silk Tree.....	580.60	
32 93 43 00-0181	EA	12' Albizia julibrissin - Silk Tree.....	696.72	
32 93 43 00-0182	EA	6' Brachychiton acerifolius - Flame Tree.....	348.36	
32 93 43 00-0183	EA	8' Brachychiton acerifolius - Flame Tree.....	464.48	
32 93 43 00-0184	EA	10' Brachychiton acerifolius - Flame Tree.....	580.60	
32 93 43 00-0185	EA	12' Brachychiton acerifolius - Flame Tree.....	696.72	
32 93 43 00-0186	EA	1-1/2" Caliber Chilopsis linearis - Desert Willow.....	281.59	
32 93 43 00-0187	EA	2" Caliber Chilopsis linearis - Desert Willow.....	338.20	
32 93 43 00-0188	EA	2-1/2" Caliber Chilopsis linearis - Desert Willow.....	359.97	
32 93 43 00-0189	EA	3" Caliber Chilopsis linearis - Desert Willow.....	399.16	
32 93 43 00-0190	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	14.52	
32 93 43 00-0191	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	58.06	
32 93 43 00-0192	EA	24" Box Chionanthus retusus - Chinese Fringe Tree.....	290.30	
32 93 43 00-0193	EA	5 Gallon Calodendrum capense - Cape Chestnut.....	21.77	
32 93 43 00-0194	EA	15 Gallon Calodendrum capense - Cape Chestnut.....	87.09	
32 93 43 00-0195	EA	24" Box Calodendrum capense - Cape Chestnut.....	326.59	
32 93 43 00-0196	EA	6' Chionanthus virginicus - White Fringe Tree.....	174.18	
32 93 43 00-0197	EA	8' Chionanthus virginicus - White Fringe Tree.....	210.73	
32 93 43 00-0198	EA	10' Chionanthus virginicus - White Fringe Tree.....	293.51	
32 93 43 00-0199	EA	15 Gallon Geijera parvifolia - Australian Willow.....	90.31	
32 93 43 00-0200	EA	24" Box Geijera parvifolia - Australian Willow.....	185.89	
32 93 43 00-0201	EA	30" Box Geijera parvifolia - Australian Willow.....	346.20	
32 93 43 00-0202	EA	36" Box Geijera parvifolia - Australian Willow.....	496.72	
32 93 43 00-0203	EA	1-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	267.93	
32 93 43 00-0204	EA	2" Caliber Ginko Biloba - Maidenhair Tree.....	373.29	
32 93 43 00-0205	EA	2-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	450.05	
32 93 43 00-0206	EA	3" Caliber Ginko Biloba - Maidenhair Tree.....	525.31	
32 93 43 00-0207	EA	3-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	687.88	
32 93 43 00-0208	EA	4" Caliber Ginko Biloba - Maidenhair Tree.....	734.54	
32 93 43 00-0209	EA	4-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	782.70	
32 93 43 00-0210	EA	24" Box Ginko Biloba - Maidenhair Tree.....	244.60	
32 93 43 00-0211	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree.....	90.31	
32 93 43 00-0212	EA	24" Box Sapium sebiferum - Chinese Tallow Tree.....	331.14	
32 93 43 00-0213	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....	96.33	
32 93 43 00-0214	EA	6' Lagerstroemia indica - Crape Myrtle.....	179.12	
32 93 43 00-0215	EA	8' Lagerstroemia indica - Crape Myrtle.....	185.14	
32 93 43 00-0216	EA	10' Lagerstroemia indica - Crape Myrtle.....	224.27	
32 93 43 00-0217	EA	24" Box Lagerstroemia indica - Crape Myrtle.....	176.11	

32 93 43 00-0218**Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0219	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	292.02	
32 93 43 00-0220	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	357.96	
32 93 43 00-0221	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	466.29	
32 93 43 00-0222	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	604.45	
32 93 43 00-0223	EA	2' To 2-1/2' Acer palmatum - Japanese Maple.....	30.80	
32 93 43 00-0224	EA	4' To 5" Acer palmatum - Japanese Maple.....	64.68	
32 93 43 00-0225	EA	5' To 6" Acer palmatum - Japanese Maple.....	84.70	
32 93 43 00-0226	EA	6' To 7" Acer palmatum - Japanese Maple.....	154.00	
32 93 43 00-0227	EA	7' To 8" Acer palmatum - Japanese Maple.....	215.60	
32 93 43 00-0228	EA	8' To 10' Acer palmatum - Japanese Maple.....	277.21	
32 93 43 00-0229	EA	10' To 12' Acer palmatum - Japanese Maple.....	369.61	
32 93 43 00-0230	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	157.00	
32 93 43 00-0231	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	191.13	
32 93 43 00-0232	EA	3" Caliper Acer platanoides & cvs - Norway Maple.....	245.74	
32 93 43 00-0233	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	286.70	
32 93 43 00-0234	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....	307.17	
32 93 43 00-0235	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	334.48	
32 93 43 00-0236	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	375.43	
32 93 43 00-0237	EA	2" Caliper Acer rubrum & cvs - Red Maple.....	150.17	
32 93 43 00-0238	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	191.13	
32 93 43 00-0239	EA	3" Caliper Acer rubrum & cvs - Red Maple.....	245.74	
32 93 43 00-0240	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	300.35	
32 93 43 00-0241	EA	4" Caliper Acer rubrum & cvs - Red Maple.....	341.30	
32 93 43 00-0242	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	395.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0243	EA		5" Caliper Acer rubrum & cvs - Red Maple	443.70	
32 93 43 00-0244	EA		8' Clump Form Acer rubrum & cvs - Red Maple	184.30	
32 93 43 00-0245	EA		10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0246	EA		12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0247	EA		14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0248	EA		16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0249	EA		18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0250	EA		2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	238.91	
32 93 43 00-0251	EA		2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	266.22	
32 93 43 00-0252	EA		3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	300.35	
32 93 43 00-0253	EA		3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	341.30	
32 93 43 00-0254	EA		4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	409.57	
32 93 43 00-0255	EA		2" Caliper Betula nigra - River Birch	170.65	
32 93 43 00-0256	EA		2-1/2" Caliper Betula nigra - River Birch	193.25	
32 93 43 00-0257	EA		3" Caliper Betula nigra - River Birch	218.43	
32 93 43 00-0258	EA		3-1/2" Caliper Betula nigra - River Birch	273.04	
32 93 43 00-0259	EA		4" Caliper Betula nigra - River Birch	307.17	
32 93 43 00-0260	EA		4-1/2" Caliper Betula nigra - River Birch	341.30	
32 93 43 00-0261	EA		5" Caliper Betula nigra - River Birch	375.43	
32 93 43 00-0262	EA		8' Clump Form Betula nigra - River Birch.....	157.00	
32 93 43 00-0263	EA		10' Clump Form Betula nigra - River Birch.....	177.48	
32 93 43 00-0264	EA		12' Clump Form Betula nigra - River Birch.....	204.78	
32 93 43 00-0265	EA		14' Clump Form Betula nigra - River Birch.....	238.91	
32 93 43 00-0266	EA		16' Clump Form Betula nigra - River Birch.....	273.04	
32 93 43 00-0267	EA		12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	204.78	
32 93 43 00-0268	EA		14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	245.74	
32 93 43 00-0269	EA		16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	286.70	
32 93 43 00-0270	EA		18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	341.30	
32 93 43 00-0271	EA		20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	354.96	
32 93 43 00-0272	EA		2" Caliper Carpinus betulus & cvs - European Hornbeam	273.04	
32 93 43 00-0273	EA		2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	307.17	
32 93 43 00-0274	EA		3" Caliper Carpinus betulus & cvs - European Hornbeam	354.96	
32 93 43 00-0275	EA		3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	430.04	
32 93 43 00-0276	EA		6' Clump Form Carpinus betulus & cvs - European Hornbeam	122.87	
32 93 43 00-0277	EA		7' Clump Form Carpinus betulus & cvs - European Hornbeam	170.65	
32 93 43 00-0278	EA		8' Clump Form Carpinus betulus & cvs - European Hornbeam	211.61	
32 93 43 00-0279	EA		2" Caliber Catalpa speciosa - Western Catalpa.....	150.17	
32 93 43 00-0280	EA		2-1/2" Caliber Catalpa speciosa - Western Catalpa.....	204.78	
32 93 43 00-0281	EA		3" Caliber Catalpa speciosa - Western Catalpa.....	266.22	
32 93 43 00-0282	EA		3-1/2" Caliber Catalpa speciosa - Western Catalpa.....	320.83	
32 93 43 00-0283	EA		4" Caliber Catalpa speciosa - Western Catalpa.....	368.61	
32 93 43 00-0284	EA		8' Clump Form Corylus cornuta californica - Western Filbert.....	191.13	
32 93 43 00-0285	EA		10' Clump Form Corylus cornuta californica - Western Filbert.....	232.09	
32 93 43 00-0286	EA		12' Clump Form Corylus cornuta californica - Western Filbert.....	273.04	
32 93 43 00-0287	EA		1-1/2" Caliber Diospyros - Persimmon.....	122.87	
32 93 43 00-0288	EA		2" Caliber Diospyros - Persimmon.....	150.17	
32 93 43 00-0289	EA		2-1/2" Caliber Diospyros - Persimmon	191.13	
32 93 43 00-0290	EA		3" Caliber Diospyros - Persimmon.....	238.91	
32 93 43 00-0291	EA		3-1/2" Caliber Diospyros - Persimmon	286.70	
32 93 43 00-0292	EA		2" Caliper Fagus sylvatica & cvs - European Beech.....	307.17	
32 93 43 00-0293	EA		2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	368.61	
32 93 43 00-0294	EA		3" Caliper Fagus sylvatica & cvs - European Beech.....	443.70	
32 93 43 00-0295	EA		3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	491.48	
32 93 43 00-0296	EA		4" Caliper Fagus sylvatica & cvs - European Beech.....	580.22	
32 93 43 00-0297	EA		4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	750.87	
32 93 43 00-0298	EA		5" Caliper Fagus sylvatica & cvs - European Beech.....	887.39	
32 93 43 00-0299	EA		2" Caliper Fraxinus americana & cvs - White Ash.....	170.65	
32 93 43 00-0300	EA		2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	204.78	
32 93 43 00-0301	EA		3" Caliper Fraxinus americana & cvs - White Ash.....	259.39	
32 93 43 00-0302	EA		3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	314.00	
32 93 43 00-0303	EA		4" Caliper Fraxinus americana & cvs - White Ash.....	368.61	
32 93 43 00-0304	EA		4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	409.57	
32 93 43 00-0305	EA		5" Caliper Fraxinus americana & cvs - White Ash.....	477.83	
32 93 43 00-0306	EA		1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0307	EA		2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	266.22	
32 93 43 00-0308	EA		2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0309	EA		3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	334.48	
32 93 43 00-0310	EA		3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0311	EA		4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	409.57	
32 93 43 00-0312	EA		4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0313	EA		5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	682.61	
32 93 43 00-0314	EA		2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0315	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0316	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	245.74	
32 93 43 00-0317	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0318	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0319	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0320	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0321	EA		10' - 12' Bursera Simaruba - Gumbo Limbo.....	86.35	
32 93 43 00-0322	EA		12' - 14' Bursera Simaruba - Gumbo Limbo.....	102.05	
32 93 43 00-0323	EA		14' - 16' Bursera Simaruba - Gumbo Limbo.....	141.30	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0324	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	183.69	
32 93 43 00-0325	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	204.10	
32 93 43 00-0326	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	241.78	
32 93 43 00-0327	EA	1-1/2" Caliber Juglans californica - California Walnut	163.83	
32 93 43 00-0328	EA	2" Caliber Juglans californica - California Walnut	191.13	
32 93 43 00-0329	EA	2-1/2" Caliber Juglans californica - California Walnut	238.91	
32 93 43 00-0330	EA	3" Caliber Juglans californica - California Walnut	300.35	
32 93 43 00-0331	EA	3-1/2" Caliber Juglans californica - California Walnut	368.61	
32 93 43 00-0332	EA	4" Caliber Juglans californica - California Walnut	443.70	
32 93 43 00-0333	EA	4-1/2" Caliber Juglans californica - California Walnut	511.96	
32 93 43 00-0334	EA	5" Caliber Juglans californica - California Walnut	580.22	
32 93 43 00-0335	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	
32 93 43 00-0336	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0337	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0338	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0339	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0340	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0341	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0342	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0343	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0344	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0345	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0346	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0347	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0348	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0349	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0350	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0351	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	
32 93 43 00-0352	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	163.83	
32 93 43 00-0353	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	293.52	
32 93 43 00-0354	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0355	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.43	
32 93 43 00-0356	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	273.04	
32 93 43 00-0357	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	341.30	
32 93 43 00-0358	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	409.57	
32 93 43 00-0359	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	477.83	
32 93 43 00-0360	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	95.57	
32 93 43 00-0361	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	109.22	
32 93 43 00-0362	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	129.70	
32 93 43 00-0363	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.83	
32 93 43 00-0364	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	204.78	
32 93 43 00-0365	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	296.56	
32 93 43 00-0366	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	431.36	
32 93 43 00-0367	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	641.68	
32 93 43 00-0368	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.23	
32 93 43 00-0369	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	118.63	
32 93 43 00-0370	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	161.76	
32 93 43 00-0371	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	196.30	
32 93 43 00-0372	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	81.64	
32 93 43 00-0373	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	102.05	
32 93 43 00-0374	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	180.55	
32 93 43 00-0375	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	259.05	
32 93 43 00-0376	EA	2" Caliber Platanus x acerifolia & cvs - London Planetree	163.83	
32 93 43 00-0377	EA	2-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	197.96	
32 93 43 00-0378	EA	3" Caliber Platanus x acerifolia & cvs - London Planetree	238.91	
32 93 43 00-0379	EA	3-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	286.70	
32 93 43 00-0380	EA	4" Caliber Platanus x acerifolia & cvs - London Planetree	341.30	
32 93 43 00-0381	EA	2" Caliber Populus alba & cvs - White Poplar	163.83	
32 93 43 00-0382	EA	2-1/2" Caliber Populus alba & cvs - White Poplar	191.13	
32 93 43 00-0383	EA	3" Caliber Populus alba & cvs - White Poplar	218.43	
32 93 43 00-0384	EA	3-1/2" Caliber Populus alba & cvs - White Poplar	259.39	
32 93 43 00-0385	EA	4" Caliber Populus alba & cvs - White Poplar	286.70	
32 93 43 00-0386	EA	4-1/2" Caliber Populus alba & cvs - White Poplar	327.65	
32 93 43 00-0387	EA	2" Caliber Populus deltoides & cvs - Eastern Cottonwood	150.17	
32 93 43 00-0388	EA	2-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	197.96	
32 93 43 00-0389	EA	3" Caliber Populus deltoides & cvs - Eastern Cottonwood	238.91	
32 93 43 00-0390	EA	3-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	286.70	
32 93 43 00-0391	EA	4" Caliber Populus deltoides & cvs - Eastern Cottonwood	341.30	
32 93 43 00-0392	EA	2" Caliber Quercus palustris - Pin Oak	150.17	
32 93 43 00-0393	EA	2-1/2" Caliber Quercus palustris - Pin Oak	204.78	
32 93 43 00-0394	EA	3" Caliber Quercus palustris - Pin Oak	266.22	
32 93 43 00-0395	EA	3-1/2" Caliber Quercus palustris - Pin Oak	307.17	
32 93 43 00-0396	EA	4" Caliber Quercus palustris - Pin Oak	354.96	
32 93 43 00-0397	EA	4-1/2" Caliber Quercus palustris - Pin Oak	402.74	
32 93 43 00-0398	EA	5" Caliber Quercus palustris - Pin Oak	443.70	
32 93 43 00-0399	EA	2" Caliber Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0400	EA	2-1/2" Caliber Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0401	EA	3" Caliber Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0402	EA	3-1/2" Caliber Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0403	EA	4" Caliber Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0404	EA	4-1/2" Caliber Quercus shumardii - Shumard Oak	546.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0405	EA		5" Caliber Quercus shumardii - Shumard Oak.....	614.35	
32 93 43 00-0406	EA		24" Box Salix babylonica - Weeping Willow.....	172.54	
32 93 43 00-0407	EA		36" Box Salix babylonica - Weeping Willow.....	431.36	
32 93 43 00-0408	EA		1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	99.23	
32 93 43 00-0409	EA		2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	118.63	
32 93 43 00-0410	EA		2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	129.41	
32 93 43 00-0411	EA		2' Thuja occidentalis - American Arborvitae.....	23.39	
32 93 43 00-0412	EA		2-1/2' Thuja occidentalis - American Arborvitae.....	25.28	
32 93 43 00-0413	EA		3' Thuja occidentalis - American Arborvitae.....	36.11	
32 93 43 00-0414	EA		4' Thuja occidentalis - American Arborvitae.....	49.61	
32 93 43 00-0415	EA		5' Thuja occidentalis - American Arborvitae.....	69.08	
32 93 43 00-0416	EA		6' Thuja occidentalis - American Arborvitae.....	95.77	
32 93 43 00-0417	EA		7' Thuja occidentalis - American Arborvitae.....	116.18	
32 93 43 00-0418	EA		8' Thuja occidentalis - American Arborvitae.....	163.28	
32 93 43 00-0419	EA		2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	171.68	
32 93 43 00-0420	EA		2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	207.38	
32 93 43 00-0421	EA		3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	238.91	
32 93 43 00-0422	EA		3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	293.52	
32 93 43 00-0423	EA		4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	334.48	
32 93 43 00-0424	EA		4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	375.43	
32 93 43 00-0425	EA		5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	416.39	
32 93 43 00-0426	EA		2" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	191.13	
32 93 43 00-0427	EA		2-1/2" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	218.43	
32 93 43 00-0428	EA		3" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	238.91	
32 93 43 00-0429	EA		3-1/2" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	259.39	
32 93 43 00-0430	EA		4" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	286.70	
32 93 43 00-0431	EA		4-1/2" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	341.30	
32 93 43 00-0432	EA		5" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm.....	402.74	
32 93 43 00-0433	EA		2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	218.43	
32 93 43 00-0434	EA		2-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	238.91	
32 93 43 00-0435	EA		3" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	259.39	
32 93 43 00-0436	EA		3-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	286.70	
32 93 43 00-0437	EA		4" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	341.30	
32 93 43 00-0438	EA		4-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	402.74	
32 93 43 00-0439	EA		5" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm.....	464.17	
32 93 43 00-0440	EA		2" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	218.43	
32 93 43 00-0441	EA		2-1/2" Mary-Louise Parker Ulmus x `Regal` - Regal Hybrid Elm.....	238.91	
32 93 43 00-0442	EA		3" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	259.39	
32 93 43 00-0443	EA		3-1/2" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	286.70	
32 93 43 00-0444	EA		4" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	341.30	
32 93 43 00-0445	EA		4-1/2" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	402.74	
32 93 43 00-0446	EA		5" Caliper Ulmus x `Regal` - Regal Hybrid Elm.....	464.17	
32 93 43 00-0447	EA		1-1/2" To 2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	139.98	
32 93 43 00-0448	EA		2" To 2-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	249.86	
32 93 43 00-0449	EA		2-1/2" To 3" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	365.76	
32 93 43 00-0450	EA		3" To 3-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	454.57	
32 93 43 00-0451	EA		3-1/2" To 4" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	588.53	
32 93 43 00-0452	EA		4" To 5" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	669.81	
32 93 43 00-0453	EA		24" Box Platanus acerifolia "Bloodgold" - London Plane.....	176.11	
32 93 43 00-0454	EA		1-1/2" Caliber Quercus suber - Cork Oak.....	210.73	
32 93 43 00-0455	EA		2" Caliber Quercus suber - Cork Oak.....	292.01	
32 93 43 00-0456	EA		2-1/2" Caliber Quercus suber - Cork Oak.....	373.29	
32 93 43 00-0457	EA		3" Caliber Quercus suber - Cork Oak.....	466.61	
32 93 43 00-0458	EA		3-1/2" Caliber Quercus suber - Cork Oak.....	699.92	
32 93 43 00-0459	EA		4" Caliber Quercus suber - Cork Oak.....	903.12	
32 93 43 00-0460	EA		4-1/2" Caliber Quercus suber - Cork Oak.....	1,174.06	
32 93 43 00-0461	EA		1-1/2" Caliber Quercus ilex - Holly Oak.....	233.31	
32 93 43 00-0462	EA		2" Caliber Quercus ilex - Holly Oak.....	314.59	
32 93 43 00-0463	EA		2-1/2" Caliber Quercus ilex - Holly Oak.....	385.33	
32 93 43 00-0464	EA		3" Caliber Quercus ilex - Holly Oak.....	466.61	
32 93 43 00-0465	EA		3-1/2" Caliber Quercus ilex - Holly Oak.....	699.92	
32 93 43 00-0466	EA		4" Caliber Quercus ilex - Holly Oak.....	903.12	

32 93 43 00-0467

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0468	EA		2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	14.56	
32 93 43 00-0469	EA		3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	23.40	
32 93 43 00-0470	EA		4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	34.77	
32 93 43 00-0471	EA		5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	46.77	
32 93 43 00-0472	EA		7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	66.41	
32 93 43 00-0473	EA		5 Gallon Cedrus deodara - Indian Cedar.....	8.33	
32 93 43 00-0474	EA		6' To 8' Cedrus deodara - Indian Cedar.....	60.09	
32 93 43 00-0475	EA		8' To 10' Cedrus deodara - Indian Cedar.....	69.57	
32 93 43 00-0476	EA		10' To 12' Cedrus deodara - Indian Cedar.....	94.85	
32 93 43 00-0477	EA		12' To 14' Cedrus deodara - Indian Cedar.....	123.30	
32 93 43 00-0478	EA		14' To 16' Cedrus deodara - Indian Cedar.....	158.10	
32 93 43 00-0479	EA		15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	18.78	
32 93 43 00-0480	EA		18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	28.17	
32 93 43 00-0481	EA		2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	43.83	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0482	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13
32 93 43 00-0483	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33
32 93 43 00-0484	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33
32 93 43 00-0485	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08
32 93 43 00-0486	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25
32 93 43 00-0487	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17
32 93 43 00-0488	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83
32 93 43 00-0489	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88
32 93 43 00-0490	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48
32 93 43 00-0491	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26
32 93 43 00-0492	EA	5 Gallon Cupressus sempervirens - Italian Cypress	9.73
32 93 43 00-0493	EA	15 Gallon Cupressus sempervirens - Italian Cypress	26.74
32 93 43 00-0494	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.86
32 93 43 00-0495	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.59
32 93 43 00-0496	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	6.93
32 93 43 00-0497	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.14
32 93 43 00-0498	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.86
32 93 43 00-0499	EA	2 Gallon Juniperus - Blue Sargent Juniper	5.59
32 93 43 00-0500	EA	3 Gallon Juniperus - Blue Sargent Juniper	6.93
32 93 43 00-0501	EA	5 Gallon Juniperus - Blue Sargent Juniper	8.14
32 93 43 00-0502	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	8.14
32 93 43 00-0503	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	8.81
32 93 43 00-0504	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	10.64
32 93 43 00-0505	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80
32 93 43 00-0506	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	18.30
32 93 43 00-0507	EA	5' To 6' Juniperus - Fairview Juniper	27.25
32 93 43 00-0508	EA	1 Gallon Juniperus - Hollywood Juniper	3.65
32 93 43 00-0509	EA	5 Gallon Juniperus - Hollywood Juniper	10.15
32 93 43 00-0510	EA	15 Gallon Juniperus - Hollywood Juniper	43.03
32 93 43 00-0511	EA	4' To 5' Juniperus - Hollywood Juniper	28.45
32 93 43 00-0512	EA	5' To 6' Juniperus - Hollywood Juniper	36.65
32 93 43 00-0513	EA	1 Gallon Juniperus - Parson's Juniper	2.86
32 93 43 00-0514	EA	2 Gallon Juniperus - Parson's Juniper	5.65
32 93 43 00-0515	EA	3 Gallon Juniperus - Parson's Juniper	6.99
32 93 43 00-0516	EA	5 Gallon Juniperus - Parson's Juniper	8.27
32 93 43 00-0517	EA	5 Gallon Juniperus - Skyrocket Juniper	10.21
32 93 43 00-0518	EA	15 Gallon Juniperus - Skyrocket Juniper	43.46
32 93 43 00-0519	EA	2' To 3' Juniperus - Skyrocket Juniper	15.32
32 93 43 00-0520	EA	3' To 4' Juniperus - Skyrocket Juniper	21.70
32 93 43 00-0521	EA	4' To 5' Juniperus - Skyrocket Juniper	28.75
32 93 43 00-0522	EA	5' To 6' Juniperus - Skyrocket Juniper	37.08
32 93 43 00-0523	EA	6' To 8' Juniperus - Skyrocket Juniper	47.90
32 93 43 00-0524	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86
32 93 43 00-0525	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62
32 93 43 00-0526	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90
32 93 43 00-0527	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18
32 93 43 00-0528	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86
32 93 43 00-0529	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62
32 93 43 00-0530	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90
32 93 43 00-0531	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18
32 93 43 00-0532	EA	3' Pinus sylvestris - Scotch Pine	26.55
32 93 43 00-0533	EA	4' Pinus sylvestris - Scotch Pine	36.86
32 93 43 00-0534	EA	5' Pinus sylvestris - Scotch Pine	51.73
32 93 43 00-0535	EA	6' Pinus sylvestris - Scotch Pine	71.77
32 93 43 00-0536	EA	7' Pinus sylvestris - Scotch Pine	87.94
32 93 43 00-0537	EA	8' Pinus sylvestris - Scotch Pine	124.15
32 93 43 00-0538	EA	9' Pinus sylvestris - Scotch Pine	157.61
32 93 43 00-0539	EA	10' Pinus sylvestris - Scotch Pine	181.86
32 93 43 00-0540	EA	12' Pinus sylvestris - Scotch Pine	214.19
32 93 43 00-0541	EA	14' Pinus sylvestris - Scotch Pine	242.48
32 93 43 00-0542	EA	16' Pinus sylvestris - Scotch Pine	282.89
32 93 43 00-0543	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86
32 93 43 00-0544	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15
32 93 43 00-0545	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88
32 93 43 00-0546	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92
32 93 43 00-0547	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69
32 93 43 00-0548	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56
32 93 43 00-0549	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85
32 93 43 00-0550	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	58.17
32 93 43 00-0551	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	72.70
32 93 43 00-0552	EA	6' Pinus flexilis & cvs - Limber Pine	101.03
32 93 43 00-0553	EA	7' Pinus flexilis & cvs - Limber Pine	117.20
32 93 43 00-0554	EA	8' Pinus flexilis & cvs - Limber Pine	145.49
32 93 43 00-0555	EA	9' Pinus flexilis & cvs - Limber Pine	177.82
32 93 43 00-0556	EA	10' Pinus flexilis & cvs - Limber Pine	202.07
32 93 43 00-0557	EA	1 Gallon Pinus mugo - Mugho Pine	3.77
32 93 43 00-0558	EA	2 Gallon Pinus mugo - Mugho Pine	7.96
32 93 43 00-0559	EA	3 Gallon Pinus mugo - Mugho Pine	9.97
32 93 43 00-0560	EA	5 Gallon Pinus mugo - Mugho Pine	12.64
32 93 43 00-0561	EA	12" To 15" Spread Pinus mugo - Mugho Pine	9.79
32 93 43 00-0562	EA	15" To 18" Spread Pinus mugo - Mugho Pine	11.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0563	EA		18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0564	EA		2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-0565	EA		2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0566	EA		3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0567	EA		3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0568	EA		6' Pinus nigra - Austrian Pine.....	101.03	
32 93 43 00-0569	EA		7' Pinus nigra - Austrian Pine.....	121.24	
32 93 43 00-0570	EA		8' Pinus nigra - Austrian Pine.....	157.61	
32 93 43 00-0571	EA		9' Pinus nigra - Austrian Pine.....	181.86	
32 93 43 00-0572	EA		10' Pinus nigra - Austrian Pine.....	214.19	
32 93 43 00-0573	EA		12' Pinus nigra - Austrian Pine.....	242.48	
32 93 43 00-0574	EA		14' Pinus nigra - Austrian Pine.....	270.77	
32 93 43 00-0575	EA		16' Pinus nigra - Austrian Pine.....	307.14	
32 93 43 00-0576	EA		1 Gallon Podocarpus - Chinese Podocarpus	1.88	
32 93 43 00-0577	EA		3 Gallon Podocarpus - Chinese Podocarpus	4.38	
32 93 43 00-0578	EA		7 Gallon Podocarpus - Chinese Podocarpus	12.64	
32 93 43 00-0579	EA		15 Gallon Podocarpus - Chinese Podocarpus	20.54	
32 93 43 00-0580	EA		4' To 5' Podocarpus - Chinese Podocarpus.....	31.61	
32 93 43 00-0581	EA		5' To 6' Sequoia sempervirens - Dawn Redwood	39.51	
32 93 43 00-0582	EA		6' To 8' Sequoia sempervirens - Dawn Redwood.....	53.34	
32 93 43 00-0583	EA		8' To 10' Sequoia sempervirens - Dawn Redwood.....	65.19	
32 93 43 00-0584	EA		3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	7.62	
32 93 43 00-0585	EA		3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	12.45	
32 93 43 00-0586	EA		6' Cedrus decurrens - Incese Cedar	67.85	
32 93 43 00-0587	EA		8' Cedrus decurrens - Incese Cedar.....	140.35	
32 93 43 00-0588	EA		10' Cedrus decurrens - Incese Cedar	185.90	
32 93 43 00-0589	EA		12' Cedrus decurrens - Incese Cedar	246.32	
32 93 43 00-0590	EA		6' Melaleuca linarifolia - Flaxleaf Paperbark	195.20	
32 93 43 00-0591	EA		8' Melaleuca linarifolia - Flaxleaf Paperbark	260.26	
32 93 43 00-0592	EA		10' Melaleuca linarifolia - Flaxleaf Paperbark	325.32	
32 93 43 00-0593	EA		12' Melaleuca linarifolia - Flaxleaf Paperbark	390.39	
32 93 43 00-0594	EA		24" Box Melaleuca linarifolia - Flaxleaf Paperbark.....	114.79	
32 93 43 00-0595	EA		6' Melaleuca quinquenervia - Cajeput Tree	195.20	
32 93 43 00-0596	EA		8' Melaleuca quinquenervia - Cajeput Tree	260.26	
32 93 43 00-0597	EA		10' Melaleuca quinquenervia - Cajeput Tree	325.32	
32 93 43 00-0598	EA		12' Melaleuca quinquenervia - Cajeput Tree	390.39	
32 93 43 00-0599	EA		24" Box Melaleuca quinquenervia - Cajeput Tree.....	108.75	
32 93 43 00-0600	EA		30" Box Melaleuca quinquenervia - Cajeput Tree.....	274.20	
32 93 43 00-0601	EA		36" Box Melaleuca quinquenervia - Cajeput Tree.....	432.22	
32 93 43 00-0602	EA		4' Metrosideros excelsus - New Zealand Christmas Tree.....	57.63	
32 93 43 00-0603	EA		5' Metrosideros excelsus - New Zealand Christmas Tree.....	78.08	
32 93 43 00-0604	EA		6' Metrosideros excelsus - New Zealand Christmas Tree.....	132.92	
32 93 43 00-0605	EA		8' Metrosideros excelsus - New Zealand Christmas Tree.....	164.52	
32 93 43 00-0606	EA		24" Box Metrosideros excelsus - New Zealand Christmas Tree.....	145.00	
32 93 43 00-0607	EA		6' Pinus canariensis - Canary Island Pine.....	223.08	
32 93 43 00-0608	EA		8' Pinus canariensis - Canary Island Pine.....	297.44	
32 93 43 00-0609	EA		10' Pinus canariensis - Canary Island Pine.....	371.80	
32 93 43 00-0610	EA		12' Pinus canariensis - Canary Island Pine.....	446.16	
32 93 43 00-0611	EA		24" Box Pinus canariensis - Canary Island Pine.....	132.92	
32 93 43 00-0612	EA		6' Pinus pinea - Italian Stone Pine	223.08	
32 93 43 00-0613	EA		8' Pinus pinea - Italian Stone Pine	297.44	
32 93 43 00-0614	EA		10' Pinus pinea - Italian Stone Pine	371.80	
32 93 43 00-0615	EA		12' Pinus pinea - Italian Stone Pine	446.16	
32 93 43 00-0616	EA		6' Pittosporum undulatum - Victorian Box.....	122.69	
32 93 43 00-0617	EA		8' Pittosporum undulatum - Victorian Box.....	194.27	
32 93 43 00-0618	EA		10' Pittosporum undulatum - Victorian Box	255.61	
32 93 43 00-0619	EA		6' Podocarpus gracilior - African Fern Pine.....	232.38	
32 93 43 00-0620	EA		8' Podocarpus gracilior - African Fern Pine.....	306.74	
32 93 43 00-0621	EA		10' Podocarpus gracilior - African Fern Pine.....	390.39	
32 93 43 00-0622	EA		12' Podocarpus gracilior - African Fern Pine.....	464.75	
32 93 43 00-0623	EA		24" Box Podocarpus gracilior - African Fern Pine.....	108.75	
32 93 43 00-0624	EA		1 Gallon Podocarpus macrophyllus - Yew Pine	4.32	
32 93 43 00-0625	EA		3 Gallon Podocarpus macrophyllus - Yew Pine	10.13	
32 93 43 00-0626	EA		5 Gallon Podocarpus macrophyllus - Yew Pine	13.29	
32 93 43 00-0627	EA		15 Gallon Podocarpus macrophyllus - Yew Pine.....	57.63	
32 93 43 00-0628	EA		24" Box Podocarpus macrophyllus - Yew Pine	111.54	
32 93 43 00-0629	EA		24" Box Rhus lancea - African Sumac.....	114.79	
32 93 43 00-0630	EA		30" Box Rhus lancea - African Sumac.....	185.90	
32 93 43 00-0631	EA		8' Rhus lancea - African Sumac.....	278.85	
32 93 43 00-0632	EA		10' Rhus lancea - African Sumac.....	311.38	
32 93 43 00-0633	EA		12' Rhus lancea - African Sumac.....	371.80	
32 93 43 00-0634			Palm And Subtropical Trees <small>(32 93 43)</small>		
			Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0635	EA		4' To 5' Archontophoenix cunninghamiana - King Palm.....	64.97	
32 93 43 00-0636	EA		6' To 8' Archontophoenix cunninghamiana - King Palm.....	101.06	
32 93 43 00-0637	EA		8' To 10' Archontophoenix cunninghamiana - King Palm.....	129.94	
32 93 43 00-0638	EA		10' To 12' Archontophoenix cunninghamiana - King Palm.....	173.25	
32 93 43 00-0639	EA		4' To 5' Arecastrum romanzoffianum - Queen Palm	49.22	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0640	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	68.91
32 93 43 00-0641	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	88.59
32 93 43 00-0642	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	108.28
32 93 43 00-0643	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	131.25
32 93 43 00-0644	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	164.06
32 93 43 00-0645	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	137.81
32 93 43 00-0646	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	216.56
32 93 43 00-0647	EA	3' To 4' Chamaerops humilis - European Fan Palm	118.12
32 93 43 00-0648	EA	5' To 6' Chamaerops humilis - European Fan Palm	157.50
32 93 43 00-0649	EA	7' To 8' Chamaerops humilis - European Fan Palm	367.50
32 93 43 00-0650	EA	9' To 10' Chamaerops humilis - European Fan Palm	630.00
32 93 43 00-0651	EA	12' To 16' Cocos nucifera - Coconut Palm	276.77
32 93 43 00-0652	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	91.88
32 93 43 00-0653	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	183.75
32 93 43 00-0654	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	236.25
32 93 43 00-0655	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	328.12
32 93 43 00-0656	EA	4' To 5' Rhaps excelsa - Lady Palm	249.38
32 93 43 00-0657	EA	6' To 7' Rhaps excelsa - Lady Palm	354.38
32 93 43 00-0658	EA	8' To 9' Roystonea regia - Royal Palm	200.81
32 93 43 00-0659	EA	10' To 11' Roystonea regia - Royal Palm	245.44
32 93 43 00-0660	EA	12' To 13' Roystonea regia - Royal Palm	290.06
32 93 43 00-0661	EA	14' To 15' Roystonea regia - Royal Palm	334.69
32 93 43 00-0662	EA	16' To 17' Roystonea regia - Royal Palm	379.31
32 93 43 00-0663	EA	18' To 19' Roystonea regia - Royal Palm	423.94
32 93 43 00-0664	EA	20' To 21' Roystonea regia - Royal Palm	468.56
32 93 43 00-0665	EA	10' To 16' Sabal palmetto - Cabbage Palm	101.49
32 93 43 00-0666	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	275.62
32 93 43 00-0667	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	354.38
32 93 43 00-0668	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	433.12
32 93 43 00-0669	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44
32 93 43 00-0670	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06
32 93 43 00-0671	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38
32 93 43 00-0672	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19
32 93 43 00-0673	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12
32 93 43 00-0674	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	282.19
32 93 43 00-0675	EA	6' Bauninia blakeana - Hong Kong Orchid	334.69
32 93 43 00-0676	EA	8' Bauninia blakeana - Hong Kong Orchid	446.25
32 93 43 00-0677	EA	10' Bauninia blakeana - Hong Kong Orchid	557.81
32 93 43 00-0678	EA	4' To 5' Acacia baileyana - Bailey Acacia	262.50
32 93 43 00-0679	EA	6' Acacia baileyana - Bailey Acacia	315.00
32 93 43 00-0680	EA	8' Acacia baileyana - Bailey Acacia	367.50
32 93 43 00-0681	EA	10' Acacia baileyana - Bailey Acacia	459.38
32 93 43 00-0682	EA	6' Agonis flexuosa - Peppermint	157.50
32 93 43 00-0683	EA	8' Agonis flexuosa - Peppermint	196.88
32 93 43 00-0684	EA	10' Agonis flexuosa - Peppermint	236.25
32 93 43 00-0685	EA	24" Box Agonis flexuosa - Peppermint	196.22
32 93 43 00-0686	EA	6' Bauhinia purpurea - Purple Orchid Tree	354.38
32 93 43 00-0687	EA	8' Bauhinia purpurea - Purple Orchid Tree	472.50
32 93 43 00-0688	EA	10' Bauhinia purpurea - Purple Orchid Tree	590.62
32 93 43 00-0689	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	153.56
32 93 43 00-0690	EA	6' Bauhinia variegata candida - White Orchid Tree	393.75
32 93 43 00-0691	EA	8' Bauhinia variegata candida - White Orchid Tree	525.00
32 93 43 00-0692	EA	10' Bauhinia variegata candida - White Orchid Tree	656.25
32 93 43 00-0693	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38
32 93 43 00-0694	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	472.50
32 93 43 00-0695	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	590.62
32 93 43 00-0696	EA	6' Eriobotrya deflexa - Bronze Loquat	354.38
32 93 43 00-0697	EA	8' Eriobotrya deflexa - Bronze Loquat	472.50
32 93 43 00-0698	EA	10' Eriobotrya deflexa - Bronze Loquat	590.62
32 93 43 00-0699	EA	6' Eucalyptus erythrocoris - Red Cap Gum	354.38
32 93 43 00-0700	EA	8' Eucalyptus erythrocoris - Red Cap Gum	472.50
32 93 43 00-0701	EA	10' Eucalyptus erythrocoris - Red Cap Gum	590.62
32 93 43 00-0702	EA	6' Eucalyptus torquata - Coral Gum	354.38
32 93 43 00-0703	EA	8' Eucalyptus torquata - Coral Gum	472.50
32 93 43 00-0704	EA	10' Eucalyptus torquata - Coral Gum	590.62
32 93 43 00-0705	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50
32 93 43 00-0706	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75
32 93 43 00-0707	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88
32 93 43 00-0708	EA	6' Washingtonia robusta - Mexican Fan Palm	354.38
32 93 43 00-0709	EA	8' Washingtonia robusta - Mexican Fan Palm	472.50
32 93 43 00-0710	EA	10' Washingtonia robusta - Mexican Fan Palm	590.62
32 93 43 00-0711	EA	12' Washingtonia robusta - Mexican Fan Palm	708.75
32 93 43 00-0712	EA	6' Olea europaea - Olive "Fruitless"	354.38
32 93 43 00-0713	EA	8' Olea europaea - Olive "Fruitless"	472.50
32 93 43 00-0714	EA	10' Olea europaea - Olive "Fruitless"	590.62
32 93 43 00-0715	EA	12' Olea europaea - Olive "Fruitless"	708.75
32 93 43 00-0716	EA	24" Box Olea europaea - Olive "Fruitless"	435.75
32 93 43 00-0717	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38
32 93 43 00-0718	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50
32 93 43 00-0719	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62
32 93 43 00-0720	EA	6' Eucalyptus leucoxylon - White Ironbark	354.38



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0721	EA	8'	Eucalyptus leucoxylon - White Ironbark	472.50	
32 93 43 00-0722	EA	10'	Eucalyptus leucoxylon - White Ironbark	590.62	
32 93 43 00-0723	EA	12'	Eucalyptus leucoxylon - White Ironbark	708.75	
32 93 43 00-0724	EA	6'	Callistemon viminalis - Weeping Bottle Brush	354.38	
32 93 43 00-0725	EA	8'	Callistemon viminalis - Weeping Bottle Brush	472.50	
32 93 43 00-0726	EA	10'	Callistemon viminalis - Weeping Bottle Brush	590.62	
32 93 43 00-0727	EA	12'	Callistemon viminalis - Weeping Bottle Brush	708.75	
32 93 43 00-0728	EA	6'	Eucalyptus gunnii - Cider Gum	354.38	
32 93 43 00-0729	EA	8'	Eucalyptus gunnii - Cider Gum	472.50	
32 93 43 00-0730	EA	10'	Eucalyptus gunnii - Cider Gum	590.62	
32 93 43 00-0731	EA	6'	Jacarandra acutifolia - Jacaranda	354.38	
32 93 43 00-0732	EA	8'	Jacarandra acutifolia - Jacaranda	472.50	
32 93 43 00-0733	EA	10'	Jacarandra acutifolia - Jacaranda	590.62	
32 93 43 00-0734	EA	24"	Box Jacarandra acutifolia - Jacaranda	153.56	
32 93 43 00-0735	EA	5 Gallon	Phoenix roebelenii - Pygmy Date Palm	16.58	
32 93 43 00-0736	EA	7 Gallon	Phoenix roebelenii - Pygmy Date Palm	40.42	
32 93 43 00-0737	EA	15 Gallon	Phoenix roebelenii - Pygmy Date Palm	61.14	
32 93 43 00-0738	EA	24"	Box Phoenix roebelenii - Pygmy Date Palm	181.35	
32 93 43 00-0739	EA	5 Gallon	Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-0740	EA	15 Gallon	Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-0741	EA	24"	Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-0742	EA	36"	Box Pistacia chinensis - Chinese Pistache	813.75	
32 93 43 00-0743	EA	48"	Box Pistacia chinensis - Chinese Pistache	1,732.50	
32 93 43 00-0744	EA	5 Gallon	Pyrus kawakamii - Evergreen Pear, Single	24.41	
32 93 43 00-0745	EA	15 Gallon	Pyrus kawakamii - Evergreen Pear, Single	81.38	
32 93 43 00-0746	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Single	305.81	
32 93 43 00-0747	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Single	559.12	
32 93 43 00-0748	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Single	813.75	
32 93 43 00-0749	EA	5 Gallon	Pyrus kawakamii - Evergreen Pear, Multi	24.41	
32 93 43 00-0750	EA	15 Gallon	Pyrus kawakamii - Evergreen Pear, Multi	86.62	
32 93 43 00-0751	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Multi	315.00	
32 93 43 00-0752	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Multi	559.12	
32 93 43 00-0753	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Multi	813.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

32 93 53 00-0002	EA	3" To 5"	Bare Root Seedlings Tree Planting	1.04	
32 93 53 00-0003	EA	6" To 10"	Bare Root Seedlings Tree Planting	1.67	
32 93 53 00-0004	EA	11" To 16"	Bare Root Seedlings Tree Planting	2.08	
32 93 53 00-0005	EA	17" To 24"	Bare Root Seedlings Tree Planting	3.32	
32 93 53 00-0006	EA	1 Gallon Container	Tree Planting	16.62	
			<i>For >10 To 25, Deduct</i>	-0.83	
			<i>For >25 To 50, Deduct</i>	-2.08	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100, Deduct</i>	-4.99	
32 93 53 00-0007	EA	2 Gallon Container	Tree Planting	23.27	
			<i>For >10 To 25, Deduct</i>	-1.16	
			<i>For >25 To 50, Deduct</i>	-2.91	
			<i>For >50 To 100, Deduct</i>	-4.65	
			<i>For >100, Deduct</i>	-6.98	
32 93 53 00-0008	EA	3 Gallon Container	Tree Planting	29.92	
			<i>For >10 To 25, Deduct</i>	-1.50	
			<i>For >25 To 50, Deduct</i>	-3.74	
			<i>For >50 To 100, Deduct</i>	-5.98	
			<i>For >100, Deduct</i>	-8.98	
32 93 53 00-0009	EA	5 Gallon Container	Tree Planting	49.86	
			<i>For >10 To 25, Deduct</i>	-2.49	
			<i>For >25 To 50, Deduct</i>	-6.23	
			<i>For >50 To 100, Deduct</i>	-9.97	
			<i>For >100, Deduct</i>	-14.96	
32 93 53 00-0010	EA	7 Gallon Container	Tree Planting	66.49	
			<i>For >10 To 25, Deduct</i>	-3.32	
			<i>For >25 To 50, Deduct</i>	-8.31	
			<i>For >50 To 100, Deduct</i>	-13.30	
			<i>For >100, Deduct</i>	-19.95	
32 93 53 00-0011	EA	10 Gallon Container	Tree Planting	86.43	
			<i>For >10 To 25, Deduct</i>	-4.32	
			<i>For >25 To 50, Deduct</i>	-10.80	
			<i>For >50 To 100, Deduct</i>	-17.29	
			<i>For >100, Deduct</i>	-25.93	
32 93 53 00-0012	EA	15 Gallon Container	Tree Planting	123.00	
			<i>For >10 To 25, Deduct</i>	-6.15	
			<i>For >25 To 50, Deduct</i>	-15.38	
			<i>For >50 To 100, Deduct</i>	-24.60	
			<i>For >100, Deduct</i>	-36.90	
32 93 53 00-0013	EA	20 Gallon Container	Tree Planting	202.79	
			<i>For >10 To 25, Deduct</i>	-10.14	
			<i>For >25 To 50, Deduct</i>	-25.35	
			<i>For >50 To 100, Deduct</i>	-40.56	
			<i>For >100, Deduct</i>	-60.84	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	262.63	
For >10 To 25, Deduct	-13.13	
For >25 To 50, Deduct	-32.83	
For >50 To 100, Deduct	-52.53	
For >100, Deduct	-78.79	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	315.82	
For >10 To 25, Deduct	-15.79	
For >25 To 50, Deduct	-39.48	
For >50 To 100, Deduct	-63.16	
For >100, Deduct	-94.75	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	392.28	
For >10 To 25, Deduct	-19.61	
For >25 To 50, Deduct	-49.04	
For >50 To 100, Deduct	-78.46	
For >100, Deduct	-117.68	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	465.42	
For >10 To 25, Deduct	-23.27	
For >25 To 50, Deduct	-58.18	
For >50 To 100, Deduct	-93.08	
For >100, Deduct	-139.63	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	166.22	
For >10 To 25, Deduct	-8.31	
For >25 To 50, Deduct	-20.78	
For >50 To 100, Deduct	-33.24	
For >100, Deduct	-49.87	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	221.41	
For >10 To 25, Deduct	-11.07	
For >25 To 50, Deduct	-27.68	
For >50 To 100, Deduct	-44.28	
For >100, Deduct	-66.42	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	290.89	
For >10 To 25, Deduct	-14.54	
For >25 To 50, Deduct	-36.36	
For >50 To 100, Deduct	-58.18	
For >100, Deduct	-87.27	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	388.96	
For >10 To 25, Deduct	-19.45	
For >25 To 50, Deduct	-48.62	
For >50 To 100, Deduct	-77.79	
For >100, Deduct	-116.69	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	445.48	
For >10 To 25, Deduct	-22.27	
For >25 To 50, Deduct	-55.69	
For >50 To 100, Deduct	-89.10	
For >100, Deduct	-133.64	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	540.22	
For >10 To 25, Deduct	-27.01	
For >25 To 50, Deduct	-67.53	
For >50 To 100, Deduct	-108.04	
For >100, Deduct	-162.07	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	648.26	
For >10 To 25, Deduct	-32.41	
For >25 To 50, Deduct	-81.03	
For >50 To 100, Deduct	-129.65	
For >100, Deduct	-194.48	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	748.00	
For >10 To 25, Deduct	-37.40	
For >25 To 50, Deduct	-93.50	
For >50 To 100, Deduct	-149.60	
For >100, Deduct	-224.40	
32 93 53 00-0027 EA 1-1/2" Caliber Balled And Burlapped Tree Planting	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0028 EA 2" Caliber Balled And Burlapped Tree Planting	290.89	
For >10 To 25, Deduct	-14.54	
For >25 To 50, Deduct	-36.36	
For >50 To 100, Deduct	-58.18	
For >100, Deduct	-87.27	
32 93 53 00-0029 EA 2-1/2" Caliber Balled And Burlapped Tree Planting	390.62	
For >10 To 25, Deduct	-19.53	
For >25 To 50, Deduct	-48.83	
For >50 To 100, Deduct	-78.12	
For >100, Deduct	-117.19	
32 93 53 00-0030 EA 3" Caliber Balled And Burlapped Tree Planting	448.80	
For >10 To 25, Deduct	-22.44	
For >25 To 50, Deduct	-56.10	
For >50 To 100, Deduct	-89.76	
For >100, Deduct	-134.64	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0031 EA 3-1/2" Caliber Balled And Burlapped Tree Planting	498.66	
For >10 To 25, Deduct	-24.93	
For >25 To 50, Deduct	-62.33	
For >50 To 100, Deduct	-99.73	
For >100, Deduct	-149.60	
32 93 53 00-0032 EA 4" Caliber Balled And Burlapped Tree Planting	571.80	
For >10 To 25, Deduct	-28.59	
For >25 To 50, Deduct	-71.48	
For >50 To 100, Deduct	-114.36	
For >100, Deduct	-171.54	
32 93 53 00-0033 Planting Shrubs <small>(32 93 53)</small>		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting	14.14	
For >10 To 25, Deduct	-0.71	
For >25 To 50, Deduct	-1.77	
For >50 To 100, Deduct	-2.83	
For >100, Deduct	-4.24	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting	19.95	
For >10 To 25, Deduct	-1.00	
For >25 To 50, Deduct	-2.49	
For >50 To 100, Deduct	-3.99	
For >100, Deduct	-5.99	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting	24.93	
For >10 To 25, Deduct	-1.25	
For >25 To 50, Deduct	-3.12	
For >50 To 100, Deduct	-4.99	
For >100, Deduct	-7.48	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting	33.25	
For >10 To 25, Deduct	-1.66	
For >25 To 50, Deduct	-4.16	
For >50 To 100, Deduct	-6.65	
For >100, Deduct	-9.98	
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting	41.56	
For >10 To 25, Deduct	-2.08	
For >25 To 50, Deduct	-5.20	
For >50 To 100, Deduct	-8.31	
For >100, Deduct	-12.47	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting	56.52	
For >10 To 25, Deduct	-2.83	
For >25 To 50, Deduct	-7.07	
For >50 To 100, Deduct	-11.30	
For >100, Deduct	-16.96	
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting	74.80	
For >10 To 25, Deduct	-3.74	
For >25 To 50, Deduct	-9.35	
For >50 To 100, Deduct	-14.96	
For >100, Deduct	-22.44	
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting	103.06	
For >10 To 25, Deduct	-5.15	
For >25 To 50, Deduct	-12.88	
For >50 To 100, Deduct	-20.61	
For >100, Deduct	-30.92	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting	172.87	
For >10 To 25, Deduct	-8.64	
For >25 To 50, Deduct	-21.61	
For >50 To 100, Deduct	-34.57	
For >100, Deduct	-51.86	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting	221.41	
For >10 To 25, Deduct	-11.07	
For >25 To 50, Deduct	-27.68	
For >50 To 100, Deduct	-44.28	
For >100, Deduct	-66.42	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting	46.54	
For >10 To 25, Deduct	-2.33	
For >25 To 50, Deduct	-5.82	
For >50 To 100, Deduct	-9.31	
For >100, Deduct	-13.96	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting	48.21	
For >10 To 25, Deduct	-2.41	
For >25 To 50, Deduct	-6.03	
For >50 To 100, Deduct	-9.64	
For >100, Deduct	-14.46	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting	53.19	
For >10 To 25, Deduct	-2.66	
For >25 To 50, Deduct	-6.65	
For >50 To 100, Deduct	-10.64	
For >100, Deduct	-15.96	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting	53.19	
For >10 To 25, Deduct	-2.66	
For >25 To 50, Deduct	-6.65	
For >50 To 100, Deduct	-10.64	
For >100, Deduct	-15.96	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	58.18	
For >10 To 25, Deduct	-2.91	
For >25 To 50, Deduct	-7.27	
For >50 To 100, Deduct	-11.64	
For >100, Deduct	-17.45	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	61.50	
For >10 To 25, Deduct	-3.08	
For >25 To 50, Deduct	-7.69	
For >50 To 100, Deduct	-12.30	
For >100, Deduct	-18.45	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	66.49	
For >10 To 25, Deduct	-3.32	
For >25 To 50, Deduct	-8.31	
For >50 To 100, Deduct	-13.30	
For >100, Deduct	-19.95	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	99.74	
For >10 To 25, Deduct	-4.99	
For >25 To 50, Deduct	-12.47	
For >50 To 100, Deduct	-19.95	
For >100, Deduct	-29.92	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	141.29	
For >10 To 25, Deduct	-7.06	
For >25 To 50, Deduct	-17.66	
For >50 To 100, Deduct	-28.26	
For >100, Deduct	-42.39	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	187.84	
For >10 To 25, Deduct	-9.39	
For >25 To 50, Deduct	-23.48	
For >50 To 100, Deduct	-37.57	
For >100, Deduct	-56.35	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	212.77	
For >10 To 25, Deduct	-10.64	
For >25 To 50, Deduct	-26.60	
For >50 To 100, Deduct	-42.55	
For >100, Deduct	-63.83	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting.....	229.39	
For >10 To 25, Deduct	-11.47	
For >25 To 50, Deduct	-28.67	
For >50 To 100, Deduct	-45.88	
For >100, Deduct	-68.82	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting.....	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.38	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.28	
For >100, Deduct	-0.41	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting.....	1.58	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.47	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting.....	1.85	
For >10 To 25, Deduct	-0.09	
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.37	
For >100, Deduct	-0.56	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.22	
For >10 To 25, Deduct	-0.11	
For >25 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.44	
For >100, Deduct	-0.67	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	2.77	
For >10 To 25, Deduct	-0.14	
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-0.83	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	4.15	
For >10 To 25, Deduct	-0.21	
For >25 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.25	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting.....	13.29	
For >10 To 25, Deduct	-0.66	
For >25 To 50, Deduct	-1.66	
For >50 To 100, Deduct	-2.66	
For >100, Deduct	-3.99	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	18.28	
For >10 To 25, Deduct	-0.91	
For >25 To 50, Deduct	-2.29	
For >50 To 100, Deduct	-3.66	
For >100, Deduct	-5.48	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	23.27	
For >10 To 25, Deduct	-1.16	
For >25 To 50, Deduct	-2.91	
For >50 To 100, Deduct	-4.65	
For >100, Deduct	-6.98	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	29.92	
For >10 To 25, Deduct	-1.50	
For >25 To 50, Deduct	-3.74	
For >50 To 100, Deduct	-5.98	
For >100, Deduct	-8.98	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	36.57	
For >10 To 25, Deduct	-1.83	
For >25 To 50, Deduct	-4.57	
For >50 To 100, Deduct	-7.31	
For >100, Deduct	-10.97	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	49.86	
For >10 To 25, Deduct	-2.49	
For >25 To 50, Deduct	-6.23	
For >50 To 100, Deduct	-9.97	
For >100, Deduct	-14.96	
32 93 53 00-0070 EA Up To 25 Each Bulb Planting.....	0.83	
32 93 53 00-0071 EA 26 To 50 Each Bulb Planting	0.74	
32 93 53 00-0072 LOT Lots Of 50 Bulb Planting	30.97	
32 93 53 00-0073 LOT Lots Of 60 Bulb Planting	37.17	
32 93 53 00-0074 LOT Lots Of 100 Bulb Planting	55.75	
32 93 53 00-0075 EA Flats Of 24 Groundcover And Flower Planting.....	23.27	
For >10 To 25, Deduct	-1.16	
For >25, Deduct	-2.91	
32 93 53 00-0076 EA Flats Of 36 Groundcover And Flower Planting.....	33.01	
For >10 To 25, Deduct	-1.65	
For >25, Deduct	-4.13	
32 93 53 00-0077 EA Flats Of 48 Groundcover And Flower Planting.....	43.94	
For >10 To 25, Deduct	-2.20	
For >25, Deduct	-5.49	

32 93 53 00-0078

Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 53 00-0079 EA 2' x 1-1/4' Deep Tree Pit	78.58	
32 93 53 00-0080 EA 2' x 2-1/2' Deep Tree Pit	117.85	
32 93 53 00-0081 EA 2-1/2' x 1-1/2' Deep Tree Pit	152.71	
32 93 53 00-0082 EA 2-1/2' x 3' Deep Tree Pit	229.03	
32 93 53 00-0083 EA 3' x 1-3/4' Deep Tree Pit	234.80	
32 93 53 00-0084 EA 3' x 3-1/2' Deep Tree Pit	350.23	
32 93 53 00-0085 EA 3-1/2' x 1-3/4' Deep Tree Pit	287.15	
32 93 53 00-0086 EA 3-1/2' x 3-1/2' Deep Tree Pit	430.09	
32 93 53 00-0087 EA 4' x 2' Deep Tree Pit	343.02	
32 93 53 00-0088 EA 4' x 4' Deep Tree Pit	514.22	
32 93 53 00-0089 EA 4-1/2' x 2' Deep Tree Pit	492.83	
32 93 53 00-0090 EA 4-1/2' x 4' Deep Tree Pit	740.82	
32 93 53 00-0091 EA 5' x 2-1/4' Deep Tree Pit	655.55	
32 93 53 00-0092 EA 5' x 4-1/2' Deep Tree Pit	975.93	
32 93 53 00-0093 EA 6' x 2-1/2' Deep Tree Pit	929.72	
32 93 53 00-0094 EA 6' x 5' Deep Tree Pit	1,392.38	
32 93 53 00-0095 EA 7' x 3' Deep Tree Pit	1,565.67	
32 93 53 00-0096 EA 7' x 6' Deep Tree Pit	2,361.97	
32 93 53 00-0097 EA 8' x 3-1/4' Deep Tree Pit	2,150.39	
32 93 53 00-0098 EA 8' x 6-1/2' Deep Tree Pit	3,224.10	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002 LF 6" Poly/Vinyl Landscape Edging With Non-Round Top.....	3.44	0.85
For >2,000 To 5,000 LF, Deduct	-0.17	
For >5,000 LF, Deduct	-0.35	
32 94 13 00-0003 LF 5" Polyethylene Landscape Edging With Round Top.....	2.25	0.85
For >2,000 To 5,000 LF, Deduct	-0.06	
For >5,000 LF, Deduct	-0.11	
32 94 13 00-0004 LF 5-1/2" Polyethylene Landscape Edging With Round Top	2.28	0.85
For >2,000 To 5,000 LF, Deduct	-0.06	
For >5,000 LF, Deduct	-0.12	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94	13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top.....	2.29	0.85
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For >5,000 LF, Deduct</i>	-0.12	
32 94	13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	5.94	1.86
			<i>For >1,000 LF, Deduct</i>	-0.56	
32 94	13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.40	1.86
			<i>For >1,000 LF, Deduct</i>	-0.67	
32 94	13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	6.44	1.86
			<i>For >1,000 LF, Deduct</i>	-0.68	
32 94	13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.26	1.93
			<i>For >1,000 LF, Deduct</i>	-0.86	
32 94	13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.83	1.93
			<i>For >1,000 LF, Deduct</i>	-1.00	
32 94	13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.82	1.93
			<i>For >1,000 LF, Deduct</i>	-1.00	
32 94	13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	6.60	1.99
			<i>For >1,000 LF, Deduct</i>	-0.67	
32 94	13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.23	1.99
			<i>For >1,000 LF, Deduct</i>	-0.83	
32 94	13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	7.30	1.99
			<i>For >1,000 LF, Deduct</i>	-0.85	
32 94	13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.11	2.05
			<i>For >1,000 LF, Deduct</i>	-1.02	
32 94	13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.74	2.05
			<i>For >1,000 LF, Deduct</i>	-1.18	
32 94	13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	8.80	2.05
			<i>For >1,000 LF, Deduct</i>	-1.19	
32 94	13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	6.29	1.93
			<i>For >1,000 LF, Deduct</i>	-0.61	
32 94	13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	7.22	1.93
			<i>For >1,000 LF, Deduct</i>	-0.84	
32 94	13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	9.71	1.93
			<i>For >1,000 LF, Deduct</i>	-1.47	
32 94	13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	4.94	1.86
32 94	13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.49	1.86
32 94	13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.98	1.86
32 94	13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	6.08	1.86
32 94	13 00-0025	LF	4-1/2" x 12" Granite Edging.....	21.20	9.59
32 94	13 00-0026	LF	2" x 8" x 16" Precast Scallops, Green	4.14	1.38
32 94	13 00-0027	LF	2" x 8" x 16" Precast Scallops, Other Than Green.....	3.87	1.38
32 94	13 00-0028	LF	Brick, Set Horizontally, 1-1/2 Per LF	4.13	1.52
32 94	13 00-0029	LF	Brick, Set Horizontally, 3 Per LF	10.52	4.14
32 94	13 00-0030	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.70	

32 94 16 Landscape Timbers (32 94)

32 94	16 00-0001	LF	1" x 4" Redwood Edging	3.66	1.17
32 94	16 00-0002	LF	2" x 4" Redwood Edging	4.99	1.76
32 94	16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	5.72	2.34
32 94	16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	7.31	2.93
32 94	16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	8.57	3.44
32 94	16 00-0006	LF	1" x 4" Pressure Treated Pine.....	2.52	1.17
32 94	16 00-0007	LF	2" x 4" Pressure Treated Pine.....	3.79	1.76
32 94	16 00-0008	LF	4" x 6" Pressure Treated Pine.....	5.45	2.27
32 94	16 00-0009	LF	6" x 6" Pressure Treated Pine.....	7.27	2.93
32 94	16 00-0010	LF	6" x 8" Pressure Treated Pine.....	8.77	3.44
32 94	16 00-0011	LF	6" x 8" Railroad Ties	10.42	3.24
32 94	16 00-0012	LF	7" x 9" Railroad Ties	12.50	4.07

32 94 23 Plant Protection (32 94)

32 94	23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	1.90	
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32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94	43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	447.80	36.90
			<i>For >3 To 9, Deduct</i>	-28.05	
			<i>For >9, Deduct</i>	-57.97	
32 94	43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	515.79	36.90
			<i>For >3 To 9, Deduct</i>	-33.15	
			<i>For >9, Deduct</i>	-68.51	
32 94	43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	625.39	49.19
			<i>For >3 To 9, Deduct</i>	-39.53	
			<i>For >9, Deduct</i>	-81.69	
32 94	43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	773.39	49.19
			<i>For >3 To 9, Deduct</i>	-50.63	
			<i>For >9, Deduct</i>	-104.63	



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	990.98	61.50
			<i>For >3 To 9, Deduct</i>	-65.10	
			<i>For >9, Deduct</i>	-134.54	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	1,043.58	73.79
			<i>For >3 To 9, Deduct</i>	-67.20	
			<i>For >9, Deduct</i>	-138.88	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,146.58	73.79
			<i>For >3 To 9, Deduct</i>	-74.93	
			<i>For >9, Deduct</i>	-154.85	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	1,529.08	104.54
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	1,589.08	104.54
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	1,639.08	104.54
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	1,679.08	104.54
			<i>For >3 To 9, Deduct</i>	-110.25	
			<i>For >9, Deduct</i>	-227.85	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame	1,709.08	104.54
			<i>For >3 To 9, Deduct</i>	-112.50	
			<i>For >9, Deduct</i>	-232.50	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	1,877.98	122.98
			<i>For >3 To 9, Deduct</i>	-122.40	
			<i>For >9, Deduct</i>	-252.96	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)					
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	413.79	36.90
			<i>For >3 To 9, Deduct</i>	-25.50	
			<i>For >9, Deduct</i>	-52.70	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	498.79	36.90
			<i>For >3 To 9, Deduct</i>	-31.88	
			<i>For >9, Deduct</i>	-65.88	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	742.98	61.50
			<i>For >3 To 9, Deduct</i>	-46.50	
			<i>For >9, Deduct</i>	-96.10	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	872.98	61.50
			<i>For >3 To 9, Deduct</i>	-56.25	
			<i>For >9, Deduct</i>	-116.25	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	992.98	61.50
			<i>For >3 To 9, Deduct</i>	-65.25	
			<i>For >9, Deduct</i>	-134.85	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,102.98	61.50
			<i>For >3 To 9, Deduct</i>	-73.50	
			<i>For >9, Deduct</i>	-151.90	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,202.98	61.50
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,292.98	61.50
			<i>For >3 To 9, Deduct</i>	-87.75	
			<i>For >9, Deduct</i>	-181.35	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,252.19	86.09
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,342.19	86.09
			<i>For >3 To 9, Deduct</i>	-87.75	
			<i>For >9, Deduct</i>	-181.35	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,422.19	86.09
			<i>For >3 To 9, Deduct</i>	-93.75	
			<i>For >9, Deduct</i>	-193.75	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,492.19	86.09
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,552.19	86.09
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	1,602.19	86.09
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,529.08	104.54
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,589.08	104.54
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,639.08	104.54
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,679.08	104.54
			<i>For >3 To 9, Deduct</i>	-110.25	
			<i>For >9, Deduct</i>	-227.85	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,709.08	104.54
For >3 To 9, Deduct	-112.50	
For >9, Deduct	-232.50	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,729.08	104.54
For >3 To 9, Deduct	-114.00	
For >9, Deduct	-235.60	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,739.08	104.54
For >3 To 9, Deduct	-114.75	
For >9, Deduct	-237.15	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,749.08	104.54
For >3 To 9, Deduct	-115.50	
For >9, Deduct	-238.70	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	773.39	49.19
For >3 To 9, Deduct	-50.63	
For >9, Deduct	-104.63	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	788.39	49.19
For >3 To 9, Deduct	-51.75	
For >9, Deduct	-106.95	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	963.98	61.50
For >3 To 9, Deduct	-63.08	
For >9, Deduct	-130.36	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	1,130.98	61.50
For >3 To 9, Deduct	-75.60	
For >9, Deduct	-156.24	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	1,202.98	61.50
For >3 To 9, Deduct	-81.00	
For >9, Deduct	-167.40	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	1,619.08	104.54
For >3 To 9, Deduct	-105.75	
For >9, Deduct	-218.55	
32 94 49 Tree Accessories (32 94)		
32 94 49 00-0001 Tree Guying (32 94 49)		
32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes.....	19.23	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes.....	33.48	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes.....	57.62	
32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors.....	81.97	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors.....	110.72	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors.....	142.40	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors.....	183.07	
32 94 49 00-0011 Tree Wrap (32 94 49)		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	4.90	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	8.05	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	15.78	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	23.96	
32 94 49 00-0016 Tree Guards (32 94 49)		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	7.57	
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard.....	7.15	
32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs.....	5.00	
32 94 49 00-0021 Root Barriers (32 94 49)		
32 94 49 00-0022 EA 18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	11.07	
32 94 49 00-0023 EA 24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	13.11	
32 94 49 00-0024 EA 36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	17.66	
32 94 49 00-0025 EA 48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	23.71	

32 96 Transplanting (32 96)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.



Exterior Improvements		32
Planting		32 90
Transplanting		32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 96 33 00-0001	Moving Shrubs On Site, Relocate <small>(32 96 33)</small> Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.	
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site 48.72 <i>For >25 To 50, Deduct</i> -4.87 <i>For >50, Deduct</i> -7.31	
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site 66.82 <i>For >25 To 50, Deduct</i> -6.68 <i>For >50, Deduct</i> -10.02	
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site 83.52 <i>For >25 To 50, Deduct</i> -8.35 <i>For >50, Deduct</i> -12.53	
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site 108.78 <i>For >25 To 50, Deduct</i> -10.88 <i>For >50, Deduct</i> -16.32	

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001	Moving Trees On Site, Relocate <small>(32 96 43)</small> Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.	
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site 207.00 <i>For >5 To 10, Deduct</i> -10.35 <i>For >10 To 20, Deduct</i> -20.70 <i>For >20, Deduct</i> -31.05	
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site 283.89 <i>For >5 To 10, Deduct</i> -14.19 <i>For >10 To 20, Deduct</i> -28.39 <i>For >20, Deduct</i> -42.58	
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site 460.01 <i>For >5 To 10, Deduct</i> -23.00 <i>For >10 To 20, Deduct</i> -46.00 <i>For >20, Deduct</i> -69.00	
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site 764.32 <i>For >5 To 10, Deduct</i> -38.22 <i>For >10 To 20, Deduct</i> -76.43 <i>For >20, Deduct</i> -114.65	
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site 1,242.03 <i>For >5 To 10, Deduct</i> -62.10 <i>For >10 To 20, Deduct</i> -124.20 <i>For >20, Deduct</i> -186.30	
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site 1,602.61 <i>For >5 To 10, Deduct</i> -80.13 <i>For >10 To 20, Deduct</i> -160.26 <i>For >20, Deduct</i> -240.39	
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site 2,070.03 <i>For >5 To 10, Deduct</i> -103.50 <i>For >10 To 20, Deduct</i> -207.00 <i>For >20, Deduct</i> -310.50	
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site 2,484.04 <i>For >5 To 10, Deduct</i> -124.20 <i>For >10 To 20, Deduct</i> -248.40 <i>For >20, Deduct</i> -372.61	
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site 2,822.78 <i>For >5 To 10, Deduct</i> -141.14 <i>For >10 To 20, Deduct</i> -282.28 <i>For >20, Deduct</i> -423.42	

END OF SECTION 32

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 16 TV Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001	Remote Visual inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 16)			
33 01 30 16-0002	Video Camera Set-up ^(33 01 30 16-0001)			
33 01 30 16-0003	EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert		632.42	
	Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1?-12? diameter pipes for distances up to 300 feet.			
33 01 30 16-0004	EA Initial Set Up For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert		1,264.83	
	Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4? and larger).			
33 01 30 16-0005	EA Initial Set Up For Video Camera Inspection, > 36" Diameter Pipe Or Culvert.....		1,897.25	
33 01 30 16-0006	EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....		316.21	
33 01 30 16-0007	EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....		632.42	
33 01 30 16-0008	Video Camera Planning And Analysis Inspection ^(33 01 30 16-0001)			
	Note: For pipe interior and culverts.			
33 01 30 16-0009	LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....		1.61	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.16	
	For >1,000 To 5,000, Deduct		-0.40	
	For >5,000, Deduct		-0.56	
33 01 30 16-0010	LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.14	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.21	
	For >1,000 To 5,000, Deduct		-0.54	
	For >5,000, Deduct		-0.75	
33 01 30 16-0011	LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.68	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.27	
	For >1,000 To 5,000, Deduct		-0.67	
	For >5,000, Deduct		-0.94	
33 01 30 16-0012	LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....		3.56	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.36	
	For >1,000 To 5,000, Deduct		-0.89	
	For >5,000, Deduct		-1.25	
33 01 30 16-0013	LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....		5.01	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.50	
	For >1,000 To 5,000, Deduct		-1.25	
	For >5,000, Deduct		-1.75	
33 01 30 16-0014	LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....		6.68	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.67	
	For >1,000 To 5,000, Deduct		-1.67	
	For >5,000, Deduct		-2.34	
33 01 30 16-0015	LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....		9.43	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.94	
	For >1,000 To 5,000, Deduct		-2.36	
	For >5,000, Deduct		-3.30	
33 01 30 16-0016	LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....		13.36	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-1.34	
	For >1,000 To 5,000, Deduct		-3.34	
	For >5,000, Deduct		-4.68	
33 01 30 16-0017	Video Camera Pre-Rehab For Pipe Interior And Culverts ^(33 01 30 16-0001)			
33 01 30 16-0018	LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....		2.37	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.24	
	For >1,000 To 5,000, Deduct		-0.59	
	For >5,000, Deduct		-0.83	
33 01 30 16-0019	LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase		3.16	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.32	
	For >1,000 To 5,000, Deduct		-0.79	
	For >5,000, Deduct		-1.11	
33 01 30 16-0020	LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase		3.95	
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct		-0.40	
	For >1,000 To 5,000, Deduct		-0.99	
	For >5,000, Deduct		-1.38	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.27	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.32	
For >5,000, Deduct	-1.84	
33 01 30 16-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.41	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 5,000, Deduct	-1.85	
For >5,000, Deduct	-2.59	
33 01 30 16-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	9.88	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 5,000, Deduct	-2.47	
For >5,000, Deduct	-3.46	
33 01 30 16-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	13.95	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.40	
For >1,000 To 5,000, Deduct	-3.49	
For >5,000, Deduct	-4.88	
33 01 30 16-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	19.76	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.98	
For >1,000 To 5,000, Deduct	-4.94	
For >5,000, Deduct	-6.92	
33 01 30 16-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 16-0001)		
33 01 30 16-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	1.69	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.59	
33 01 30 16-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.26	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.79	
33 01 30 16-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.82	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 5,000, Deduct	-0.71	
For >5,000, Deduct	-0.99	
33 01 30 16-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.76	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-1.32	
33 01 30 16-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.29	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.32	
For >5,000, Deduct	-1.85	
33 01 30 16-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.06	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 5,000, Deduct	-1.77	
For >5,000, Deduct	-2.47	
33 01 30 16-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	9.96	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 5,000, Deduct	-2.49	
For >5,000, Deduct	-3.49	
33 01 30 16-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.11	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 5,000, Deduct	-3.53	
For >5,000, Deduct	-4.94	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)		
Note: Includes removal of all debris/waste.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	1,874.95	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	468.73	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.52	
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 2,000, Deduct</i>	-0.38	
<i>For >2,000 To 5,000, Deduct</i>	-0.50	
<i>For >5,000, Deduct</i>	-0.63	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.89	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.89	
<i>For >250 To 500, Deduct</i>	-0.14	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.43	
<i>For >2,000 To 5,000, Deduct</i>	-0.58	
<i>For >5,000, Deduct</i>	-0.72	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.17	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.39	
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500 To 1,000, Deduct</i>	-0.34	
<i>For >1,000 To 2,000, Deduct</i>	-0.51	
<i>For >2,000 To 5,000, Deduct</i>	-0.68	
<i>For >5,000, Deduct</i>	-0.85	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.54	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.20	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 2,000, Deduct</i>	-0.63	
<i>For >2,000 To 5,000, Deduct</i>	-0.84	
<i>For >5,000, Deduct</i>	-1.05	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.15	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.77	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 2,000, Deduct</i>	-0.72	
<i>For >2,000 To 5,000, Deduct</i>	-0.95	
<i>For >5,000, Deduct</i>	-1.19	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.58	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.50	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.55	
<i>For >1,000 To 2,000, Deduct</i>	-0.83	
<i>For >2,000 To 5,000, Deduct</i>	-1.10	
<i>For >5,000, Deduct</i>	-1.38	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.13	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.62	
<i>For >250 To 500, Deduct</i>	-0.33	
<i>For >500 To 1,000, Deduct</i>	-0.66	
<i>For >1,000 To 2,000, Deduct</i>	-0.99	
<i>For >2,000 To 5,000, Deduct</i>	-1.32	
<i>For >5,000, Deduct</i>	-1.66	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.97	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.52	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 2,000, Deduct</i>	-1.13	
<i>For >2,000 To 5,000, Deduct</i>	-1.50	
<i>For >5,000, Deduct</i>	-1.88	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.64	
33 01 30 41-0015 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.88	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500 To 1,000, Deduct</i>	-0.89	
<i>For >1,000 To 2,000, Deduct</i>	-1.33	
<i>For >2,000 To 5,000, Deduct</i>	-1.78	
<i>For >5,000, Deduct</i>	-2.22	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	6.66	
33 01 30 41-0016 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	11.16	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500 To 1,000, Deduct</i>	-1.12	
<i>For >1,000 To 2,000, Deduct</i>	-1.67	
<i>For >2,000 To 5,000, Deduct</i>	-2.23	
<i>For >5,000, Deduct</i>	-2.79	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	8.37	
33 01 30 41-0017 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	13.02	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500 To 1,000, Deduct</i>	-1.30	
<i>For >1,000 To 2,000, Deduct</i>	-1.95	
<i>For >2,000 To 5,000, Deduct</i>	-2.60	
<i>For >5,000, Deduct</i>	-3.26	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	9.77	
33 01 30 41-0018 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes.		
33 01 30 41-0019 LF 12" To 16" Diameter Pipe Line Flushing	1.07	
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.16	
<i>For >2,000 To 5,000, Deduct</i>	-0.21	
<i>For >5,000, Deduct</i>	-0.27	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing	1.23	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.12	
For >1,000 To 2,000, Deduct	-0.18	
For >2,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.31	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing	1.44	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.14	
For >1,000 To 2,000, Deduct	-0.22	
For >2,000 To 5,000, Deduct	-0.29	
For >5,000, Deduct	-0.36	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing	1.67	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.25	
For >2,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.42	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing	2.22	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.22	
For >1,000 To 2,000, Deduct	-0.33	
For >2,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.56	
33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF.....	11.67	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000 To 5,000, Deduct	-2.33	
For >5,000, Deduct	-2.92	
33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	889.50	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location	296.50	
33 01 30 41-0029 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.09	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.49	
For >1,000 To 2,000, Deduct	-0.74	
For >2,000 To 5,000, Deduct	-0.99	
For >5,000, Deduct	-1.24	
33 01 30 41-0030 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	6.64	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-0.95	
For >2,000 To 5,000, Deduct	-1.27	
For >5,000, Deduct	-1.59	
33 01 30 41-0031 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	7.77	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 2,000, Deduct	-1.11	
For >2,000 To 5,000, Deduct	-1.48	
For >5,000, Deduct	-1.85	
33 01 30 41-0032 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	8.99	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.86	
For >1,000 To 2,000, Deduct	-1.28	
For >2,000 To 5,000, Deduct	-1.71	
For >5,000, Deduct	-2.14	
33 01 30 41-0033 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	9.78	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.39	
For >2,000 To 5,000, Deduct	-1.85	
For >5,000, Deduct	-2.32	
33 01 30 41-0034 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	11.23	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-1.59	
For >2,000 To 5,000, Deduct	-2.12	
For >5,000, Deduct	-2.65	
33 01 30 41-0035 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	14.10	
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-1.96	
For >2,000 To 5,000, Deduct	-2.62	
For >5,000, Deduct	-3.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0036 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	16.03	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500 To 1,000, Deduct</i>	-1.46	
<i>For >1,000 To 2,000, Deduct</i>	-2.19	
<i>For >2,000 To 5,000, Deduct</i>	-2.92	
<i>For >5,000, Deduct</i>	-3.65	
33 01 30 41-0037 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	18.59	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500 To 1,000, Deduct</i>	-1.68	
<i>For >1,000 To 2,000, Deduct</i>	-2.52	
<i>For >2,000 To 5,000, Deduct</i>	-3.36	
<i>For >5,000, Deduct</i>	-4.20	
33 01 30 41-0038 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	24.42	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500 To 1,000, Deduct</i>	-2.22	
<i>For >1,000 To 2,000, Deduct</i>	-3.34	
<i>For >2,000 To 5,000, Deduct</i>	-4.45	
<i>For >5,000, Deduct</i>	-5.56	
33 01 30 41-0039 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	27.60	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500 To 1,000, Deduct</i>	-2.47	
<i>For >1,000 To 2,000, Deduct</i>	-3.71	
<i>For >2,000 To 5,000, Deduct</i>	-4.94	
<i>For >5,000, Deduct</i>	-6.18	
33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0041 EA Initial Set Up And Final Equipment Removal For Auguring	889.50	
33 01 30 41-0042 EA Move And Reset Up At Different Location	296.50	
33 01 30 41-0043 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	2.97	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000 To 2,000, Deduct</i>	-0.45	
<i>For >2,000 To 5,000, Deduct</i>	-0.59	
<i>For >5,000, Deduct</i>	-0.74	
33 01 30 41-0044 LF 6" Diameter Pipe Line Auguring/Rod Out	3.83	
<i>For >250 To 500, Deduct</i>	-0.19	
<i>For >500 To 1,000, Deduct</i>	-0.38	
<i>For >1,000 To 2,000, Deduct</i>	-0.57	
<i>For >2,000 To 5,000, Deduct</i>	-0.77	
<i>For >5,000, Deduct</i>	-0.96	
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out	4.44	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.44	
<i>For >1,000 To 2,000, Deduct</i>	-0.67	
<i>For >2,000 To 5,000, Deduct</i>	-0.89	
<i>For >5,000, Deduct</i>	-1.11	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out	5.17	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.52	
<i>For >1,000 To 2,000, Deduct</i>	-0.78	
<i>For >2,000 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-1.29	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out	5.56	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.56	
<i>For >1,000 To 2,000, Deduct</i>	-0.83	
<i>For >2,000 To 5,000, Deduct</i>	-1.11	
<i>For >5,000, Deduct</i>	-1.39	
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.35	
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500 To 1,000, Deduct</i>	-0.64	
<i>For >1,000 To 2,000, Deduct</i>	-0.95	
<i>For >2,000 To 5,000, Deduct</i>	-1.27	
<i>For >5,000, Deduct</i>	-1.59	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	7.80	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.78	
<i>For >1,000 To 2,000, Deduct</i>	-1.17	
<i>For >2,000 To 5,000, Deduct</i>	-1.56	
<i>For >5,000, Deduct</i>	-1.95	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	8.72	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500 To 1,000, Deduct</i>	-0.87	
<i>For >1,000 To 2,000, Deduct</i>	-1.31	
<i>For >2,000 To 5,000, Deduct</i>	-1.74	
<i>For >5,000, Deduct</i>	-2.18	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.10	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500 To 1,000, Deduct</i>	-1.01	
<i>For >1,000 To 2,000, Deduct</i>	-1.52	
<i>For >2,000 To 5,000, Deduct</i>	-2.02	
<i>For >5,000, Deduct</i>	-2.53	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	13.90	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.39	
For >1,000 To 2,000, Deduct	-2.09	
For >2,000 To 5,000, Deduct	-2.78	
For >5,000, Deduct	-3.48	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out	14.82	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,000, Deduct	-2.22	
For >2,000 To 5,000, Deduct	-2.96	
For >5,000, Deduct	-3.71	
33 01 30 42 Cleaning of Manholes (33 01 30)		
33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)		
Note: Includes flushing. Owner provided water.		
33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)		
33 01 30 42-0003 EA Rod Out Sewer Catch Basin	72.50	
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure	181.23	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	664.89	
For >10 To 100, Deduct	-99.73	
For >100 To 250, Deduct	-149.60	
For >250, Deduct	-199.47	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	797.86	
For >10 To 100, Deduct	-119.68	
For >100 To 250, Deduct	-179.52	
For >250, Deduct	-239.36	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	398.94	
For >10 To 100, Deduct	-59.84	
For >100 To 250, Deduct	-89.76	
For >250, Deduct	-119.68	
33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)		
Note: Includes removal of debris.		
33 01 30 42-0009 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	78.12	
33 01 30 42-0010 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	97.65	
33 01 30 42-0011 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,086.86	
Note: Includes vacuum pump equipment.		
33 01 30 42-0012 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	815.15	
Note: Includes vacuum pump equipment.		
33 01 30 42-0013 EA Vacuum Out 11 To 25 Catch Basins Or Manholes	543.43	
Note: Includes vacuum pump equipment.		
33 01 30 42-0014 EA Vacuum Out 26 To 100 Catch Basins Or Manholes	475.50	
Note: Includes vacuum pump equipment.		
33 01 30 42-0015 EA Vacuum Out 101 To 250 Catch Basins Or Manholes	441.54	
Note: Includes vacuum pump equipment.		
33 01 30 42-0016 EA Vacuum Out >250 Catch Basins Or Manholes	407.58	
Note: Includes vacuum pump equipment.		
33 01 30 42-0017 EA Pump Out Blocked Manhole, 3' To 4' Diameter Includes Pump Equipment.....	289.98	
33 01 30 42-0018 EA Pump Out Blocked Manhole, 5' To 6' Diameter Includes Pump Equipment.....	434.97	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 226).		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	105.49	
For Stainless Steel Nuts And Bolts, Add	18.09	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	151.05	
For Stainless Steel Nuts And Bolts, Add	27.26	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	174.98	
For Stainless Steel Nuts And Bolts, Add	32.11	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	199.62	
For Stainless Steel Nuts And Bolts, Add	36.94	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	113.87	
For Stainless Steel Nuts And Bolts, Add	19.65	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	160.64	
For Stainless Steel Nuts And Bolts, Add	29.10	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	184.47	
For Stainless Steel Nuts And Bolts, Add	33.83	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	213.55	
For Stainless Steel Nuts And Bolts, Add	39.58	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	122.73	
For Stainless Steel Nuts And Bolts, Add	21.50	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	167.21	
For Stainless Steel Nuts And Bolts, Add	30.42	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	193.67	
For Stainless Steel Nuts And Bolts, Add	35.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	226.37 42.34	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	138.44 24.44	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	183.29 32.90	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	222.39 40.05	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	267.96 48.31	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	351.63 64.89	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	438.01 81.46	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	534.75 99.93	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	160.13 28.22	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	215.82 38.88	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	253.81 45.47	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	289.80 51.16	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	413.85 76.60	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	500.89 92.83	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	595.80 110.35	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	205.25 33.44	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	270.61 45.03	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	322.90 53.61	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	385.77 63.94	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	519.71 89.76	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	618.62 106.65	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	729.71 124.97	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	246.93 41.99	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	327.15 56.74	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	380.15 65.23	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	473.42 82.21	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	617.07 109.91	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	703.04 123.32	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	926.34 167.10	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	274.94 46.02	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	355.81 60.32	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	439.13 75.18	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	534.89 92.04	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	688.08 121.08	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	819.36 143.87	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,035.04 184.53	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
<small>Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 228).</small>		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	681.08 196.97	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	969.00 284.35	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,306.63 385.60	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,933.49 581.18	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	714.83 206.66	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,014.28 297.53	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,364.16 402.24	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,026.65 608.92	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	732.33 210.83	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,037.33 303.08	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,398.93 411.26	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,076.60 622.08	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	750.56 214.99	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,063.55 309.32	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,431.84 418.89	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,126.06 634.58	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	766.77 218.46	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,085.67 314.17	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,464.74 426.51	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,170.14 644.97	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	782.21 221.94	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,108.72 319.71	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,494.13 433.45	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,255.81 670.04	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	800.15 226.25	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,136.23 326.65	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,525.53 441.08	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,262.71 668.56	

33 01 30 71 Rehabilitation Of Sewer Utilities (33 01 30)**33 01 30 71-0001 Cementitious Pipe Coatings By Hand (33 01 30 71)**

Note: To be used on repair areas to install the coating on the exposed portion of the pipe.

33 01 30 71-0002 SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On.....	5.81
33 01 30 71-0003 SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On.....	8.50

33 01 30 72 Relining Pipelines (33 01 30)**33 01 30 72-0001 Relining Underground Pipelines (33 01 30 72)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 16-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 72-0001)

33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	3,621.09
33 01 30 72-0004 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines.....	1,448.43
33 01 30 72-0005 EA Mixing Truck And Refrigeration For 54" To 72" CIPP.....	24,361.98

Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.

33 01 30 72-0006 Lining Pipe With Cured In-Place Pipe (33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube.

33 01 30 72-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP).....	23.81
<i>For Up To 75, Add</i>	15.62
<i>For >75 To 150, Add</i>	7.81
<i>For >500 To 1,000, Deduct</i>	-0.64
<i>For >1,000 To 2,000, Deduct</i>	-1.24
<i>For >2,000 To 5,000, Deduct</i>	-1.93
<i>For >5,000, Deduct</i>	-2.80
<i>For 7.5mm Liner Thickness, Add</i>	3.87
<i>For 9mm Liner Thickness, Add</i>	7.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	26.35	
For Up To 75, Add	17.05	
For >75 To 150, Add	8.52	
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 2,000, Deduct	-1.37	
For >2,000 To 5,000, Deduct	-2.12	
For >5,000, Deduct	-3.09	
For 7.5mm Liner Thickness, Add	4.32	
For 9mm Liner Thickness, Add	8.74	
33 01 30 72-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	29.46	
For Up To 75, Add	18.74	
For >75 To 150, Add	9.37	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000 To 5,000, Deduct	-2.36	
For >5,000, Deduct	-3.44	
For 7.5mm Liner Thickness, Add	4.90	
For 9mm Liner Thickness, Add	9.90	
33 01 30 72-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	32.79	
For Up To 75, Add	20.68	
For >75 To 150, Add	10.34	
For >500 To 1,000, Deduct	-0.87	
For >1,000 To 2,000, Deduct	-1.69	
For >2,000 To 5,000, Deduct	-2.62	
For >5,000, Deduct	-3.82	
For 7.5mm Liner Thickness, Add	5.48	
For 9mm Liner Thickness, Add	11.09	
33 01 30 72-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	37.66	
For Up To 75, Add	23.59	
For >75 To 150, Add	11.79	
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 2,000, Deduct	-1.94	
For >2,000 To 5,000, Deduct	-3.00	
For >5,000, Deduct	-4.38	
For 7.5mm Liner Thickness, Add	6.33	
For 9mm Liner Thickness, Add	12.79	
For 10.5mm Liner Thickness, Add	19.17	
For 12mm Liner Thickness, Add	25.51	
For 13.5mm Liner Thickness, Add	31.94	
For 15mm Liner Thickness, Add	38.27	
33 01 30 72-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	43.99	
For Up To 75, Add	26.91	
For >75 To 150, Add	13.45	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-2.25	
For >2,000 To 5,000, Deduct	-3.48	
For >5,000, Deduct	-5.10	
For 7.5mm Liner Thickness, Add	7.52	
For 9mm Liner Thickness, Add	15.20	
For 10.5mm Liner Thickness, Add	22.77	
For 12mm Liner Thickness, Add	30.30	
For 13.5mm Liner Thickness, Add	37.94	
For 15mm Liner Thickness, Add	45.45	
33 01 30 72-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	49.24	
For Up To 75, Add	29.47	
For >75 To 150, Add	14.73	
For >500 To 1,000, Deduct	-1.29	
For >1,000 To 2,000, Deduct	-2.50	
For >2,000 To 5,000, Deduct	-3.86	
For >5,000, Deduct	-5.68	
For 7.5mm Liner Thickness, Add	8.54	
For 9mm Liner Thickness, Add	17.26	
For 10.5mm Liner Thickness, Add	25.87	
For 12mm Liner Thickness, Add	34.42	
For 13.5mm Liner Thickness, Add	43.10	
For 15mm Liner Thickness, Add	51.63	
For 16.5mm Liner Thickness, Add	61.28	
For 18mm Liner Thickness, Add	70.03	
For 19.5mm Liner Thickness, Add	79.05	
For 21mm Liner Thickness, Add	87.72	
For 22.5mm Liner Thickness, Add	96.47	
For 24mm Liner Thickness, Add	105.26	
For 27mm Liner Thickness, Add	122.84	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	53.75	
For Up To 75, Add	32.15	
For >75 To 150, Add	16.07	
For >500 To 1,000, Deduct	-1.40	
For >1,000 To 2,000, Deduct	-2.73	
For >2,000 To 5,000, Deduct	-4.21	
For >5,000, Deduct	-6.20	
For 7.5mm Liner Thickness, Add	9.32	
For 9mm Liner Thickness, Add	18.85	
For 10.5mm Liner Thickness, Add	28.25	
For 12mm Liner Thickness, Add	37.59	
For 13.5mm Liner Thickness, Add	47.06	
For 15mm Liner Thickness, Add	56.38	
For 16.5mm Liner Thickness, Add	66.91	
For 18mm Liner Thickness, Add	76.47	
For 19.5mm Liner Thickness, Add	86.32	
For 21mm Liner Thickness, Add	95.79	
For 22.5mm Liner Thickness, Add	105.34	
For 24mm Liner Thickness, Add	114.94	
For 27mm Liner Thickness, Add	134.14	
33 01 30 72-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	60.47	
For Up To 75, Add	35.62	
For >75 To 150, Add	17.81	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,000, Deduct	-3.05	
For >2,000 To 5,000, Deduct	-4.71	
For >5,000, Deduct	-6.95	
For 7.5mm Liner Thickness, Add	10.59	
For 9mm Liner Thickness, Add	21.42	
For 10.5mm Liner Thickness, Add	32.10	
For 12mm Liner Thickness, Add	42.71	
For 13.5mm Liner Thickness, Add	53.47	
For 15mm Liner Thickness, Add	64.06	
For 16.5mm Liner Thickness, Add	76.02	
For 18mm Liner Thickness, Add	86.88	
For 19.5mm Liner Thickness, Add	98.08	
For 21mm Liner Thickness, Add	108.84	
For 22.5mm Liner Thickness, Add	119.70	
For 24mm Liner Thickness, Add	130.59	
For 27mm Liner Thickness, Add	152.41	
33 01 30 72-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	67.19	
For Up To 75, Add	39.59	
For >75 To 150, Add	19.80	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,000, Deduct	-3.39	
For >2,000 To 5,000, Deduct	-5.24	
For >5,000, Deduct	-7.73	
For 7.5mm Liner Thickness, Add	11.77	
For 9mm Liner Thickness, Add	23.79	
For 10.5mm Liner Thickness, Add	35.66	
For 12mm Liner Thickness, Add	47.45	
For 13.5mm Liner Thickness, Add	59.40	
For 15mm Liner Thickness, Add	71.17	
For 16.5mm Liner Thickness, Add	84.46	
For 18mm Liner Thickness, Add	96.52	
For 19.5mm Liner Thickness, Add	108.96	
For 21mm Liner Thickness, Add	120.91	
For 22.5mm Liner Thickness, Add	132.97	
For 24mm Liner Thickness, Add	145.08	
For 27mm Liner Thickness, Add	169.32	
33 01 30 72-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	77.13	
For Up To 75, Add	44.85	
For >75 To 150, Add	22.42	
For >500 To 1,000, Deduct	-2.00	
For >1,000 To 2,000, Deduct	-3.88	
For >2,000 To 5,000, Deduct	-5.99	
For >5,000, Deduct	-8.84	
For 7.5mm Liner Thickness, Add	13.63	
For 9mm Liner Thickness, Add	27.55	
For 10.5mm Liner Thickness, Add	41.28	
For 12mm Liner Thickness, Add	54.94	
For 13.5mm Liner Thickness, Add	68.78	
For 15mm Liner Thickness, Add	82.40	
For 16.5mm Liner Thickness, Add	97.79	
For 18mm Liner Thickness, Add	111.76	
For 19.5mm Liner Thickness, Add	126.16	
For 21mm Liner Thickness, Add	139.99	
For 22.5mm Liner Thickness, Add	153.96	
For 24mm Liner Thickness, Add	167.98	
For 27mm Liner Thickness, Add	196.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	184.74	
For Up To 75, Add	70.58	
For >75 To 150, Add	35.29	
For >500 To 1,000, Deduct	-4.21	
For >1,000 To 2,000, Deduct	-8.30	
For >2,000 To 5,000, Deduct	-12.64	
For >5,000, Deduct	-19.77	
For 15mm Liner Thickness, Add	17.65	
For 16.5mm Liner Thickness, Add	37.26	
For 18mm Liner Thickness, Add	56.18	
For 19.5mm Liner Thickness, Add	74.10	
For 21mm Liner Thickness, Add	92.18	
For 22.5mm Liner Thickness, Add	110.19	
For 24mm Liner Thickness, Add	128.59	
For 27mm Liner Thickness, Add	167.72	
33 01 30 72-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	211.72	
For Up To 75, Add	81.57	
For >75 To 150, Add	40.78	
For >500 To 1,000, Deduct	-4.84	
For >1,000 To 2,000, Deduct	-9.52	
For >2,000 To 5,000, Deduct	-14.51	
For >5,000, Deduct	-22.68	
For 15mm Liner Thickness, Add	20.17	
For 16.5mm Liner Thickness, Add	42.57	
For 18mm Liner Thickness, Add	64.20	
For 19.5mm Liner Thickness, Add	84.67	
For 21mm Liner Thickness, Add	105.34	
For 22.5mm Liner Thickness, Add	125.92	
For 24mm Liner Thickness, Add	146.95	
For 27mm Liner Thickness, Add	191.66	
33 01 30 72-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	263.21	
For Up To 75, Add	99.72	
For >75 To 150, Add	49.86	
For >500 To 1,000, Deduct	-5.99	
For >1,000 To 2,000, Deduct	-11.80	
For >2,000 To 5,000, Deduct	-17.97	
For >5,000, Deduct	-28.13	
For 16.5mm Liner Thickness, Add	22.72	
For 18mm Liner Thickness, Add	45.63	
For 19.5mm Liner Thickness, Add	68.37	
For 21mm Liner Thickness, Add	91.28	
For 22.5mm Liner Thickness, Add	114.14	
For 24mm Liner Thickness, Add	137.09	
For 27mm Liner Thickness, Add	183.01	
33 01 30 72-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	352.10	
For Up To 75, Add	134.61	
For >75 To 150, Add	67.31	
For >500 To 1,000, Deduct	-8.03	
For >1,000 To 2,000, Deduct	-15.81	
For >2,000 To 5,000, Deduct	-24.09	
For >5,000, Deduct	-37.68	
For 19.5mm Liner Thickness, Add	25.25	
For 21mm Liner Thickness, Add	50.71	
For 22.5mm Liner Thickness, Add	76.07	
For 24mm Liner Thickness, Add	101.53	
For 27mm Liner Thickness, Add	152.54	
33 01 30 72-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	410.68	
For Up To 75, Add	183.02	
For >75 To 150, Add	91.51	
For >500 To 1,000, Deduct	-9.77	
For >1,000 To 2,000, Deduct	-19.14	
For >2,000 To 5,000, Deduct	-29.30	
For >5,000, Deduct	-44.95	
For 19.5mm Liner Thickness, Add	27.78	
For 21mm Liner Thickness, Add	55.79	
For 22.5mm Liner Thickness, Add	83.70	
For 24mm Liner Thickness, Add	111.72	
For 27mm Liner Thickness, Add	167.84	
33 01 30 72-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	499.20	
For Up To 75, Add	276.37	
For >75 To 150, Add	138.18	
For >500 To 1,000, Deduct	-12.70	
For >1,000 To 2,000, Deduct	-24.72	
For >2,000 To 5,000, Deduct	-38.10	
For >5,000, Deduct	-56.71	
For 19.5mm Liner Thickness, Add	30.31	
For 21mm Liner Thickness, Add	60.87	
For 22.5mm Liner Thickness, Add	91.32	
For 24mm Liner Thickness, Add	121.89	
For 27mm Liner Thickness, Add	183.12	

33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 72-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	19.25	
For DR 26 Pipe Liner, Add	2.87	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000, Deduct	-2.33	
33 01 30 72-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	23.96	
For DR 26 Pipe Liner, Add	3.90	
For DR 35 Pipe Liner, Deduct	-1.95	
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 2,000, Deduct	-1.25	
For >2,000, Deduct	-2.51	
33 01 30 72-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	24.96	
For DR 26 Pipe Liner, Add	3.98	
For DR 35 Pipe Liner, Deduct	-1.99	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.36	
For >2,000, Deduct	-2.72	
33 01 30 72-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	33.73	
For DR 26 Pipe Liner, Add	5.96	
For DR 35 Pipe Liner, Deduct	-2.98	
For DR 41 Pipe Liner, Deduct	-5.96	
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000, Deduct	-2.96	
33 01 30 72-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	45.76	
For DR 26 Pipe Liner, Add	8.73	
For DR 35 Pipe Liner, Deduct	-4.36	
For DR 41 Pipe Liner, Deduct	-8.73	
For >500 To 1,000, Deduct	-0.81	
For >1,000 To 2,000, Deduct	-1.63	
For >2,000, Deduct	-3.26	
33 01 30 72-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	61.49	
For DR 35 Pipe Liner, Deduct	-6.14	
For DR 41 Pipe Liner, Deduct	-12.29	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.85	
For >2,000, Deduct	-3.71	
33 01 30 72-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	85.18	
For DR 41 Pipe Liner, Deduct	-7.13	
For DR 50 Pipe Liner, Deduct	-14.25	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-2.09	
For >2,000, Deduct	-4.18	
33 01 30 72-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	96.02	
For DR 50 Pipe Liner, Deduct	-12.14	
For DR 55 Pipe Liner, Deduct	-20.23	
For >500 To 1,000, Deduct	-1.13	
For >1,000 To 2,000, Deduct	-2.26	
For >2,000, Deduct	-4.53	
33 01 30 72-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	116.18	
For DR 60 Pipe Liner, Deduct	-14.96	
For >500 To 1,000, Deduct	-1.23	
For >1,000 To 2,000, Deduct	-2.47	
For >2,000, Deduct	-4.94	
33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 72-0001)</small>		
33 01 30 72-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	20.33	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000, Deduct	-2.33	
For DR 26 Pipe Liner, Add	3.14	
33 01 30 72-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	23.96	
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 2,000, Deduct	-1.25	
For >2,000, Deduct	-2.51	
For DR 26 Pipe Liner, Add	3.90	
For DR 35 Pipe Liner, Deduct	-1.95	
33 01 30 72-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	26.40	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.36	
For >2,000, Deduct	-2.72	
For DR 26 Pipe Liner, Add	4.34	
For DR 35 Pipe Liner, Deduct	-2.17	
33 01 30 72-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	35.89	
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000, Deduct	-2.96	
For DR 26 Pipe Liner, Add	6.50	
For DR 35 Pipe Liner, Deduct	-3.25	
For DR 41 Pipe Liner, Deduct	-6.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	49.01	
		<i>For >500 To 1,000, Deduct</i>	-0.81	
		<i>For >1,000 To 2,000, Deduct</i>	-1.63	
		<i>For >2,000, Deduct</i>	-3.26	
		<i>For DR 26 Pipe Liner, Add</i>	9.54	
		<i>For DR 35 Pipe Liner, Deduct</i>	-4.77	
		<i>For DR 41 Pipe Liner, Deduct</i>	-9.54	
33 01 30 72-0040	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	66.11	
		<i>For >500 To 1,000, Deduct</i>	-0.93	
		<i>For >1,000 To 2,000, Deduct</i>	-1.85	
		<i>For >2,000, Deduct</i>	-3.71	
		<i>For DR 35 Pipe Liner, Deduct</i>	-6.72	
		<i>For DR 41 Pipe Liner, Deduct</i>	-13.44	
33 01 30 72-0041	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	91.97	
		<i>For >500 To 1,000, Deduct</i>	-1.04	
		<i>For >1,000 To 2,000, Deduct</i>	-2.09	
		<i>For >2,000, Deduct</i>	-4.18	
		<i>For DR 41 Pipe Liner, Deduct</i>	-7.80	
		<i>For DR 50 Pipe Liner, Deduct</i>	-15.61	
33 01 30 72-0042	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	103.53	
		<i>For >500 To 1,000, Deduct</i>	-1.13	
		<i>For >1,000 To 2,000, Deduct</i>	-2.26	
		<i>For >2,000, Deduct</i>	-4.53	
		<i>For DR 50 Pipe Liner, Deduct</i>	-13.27	
		<i>For DR 55 Pipe Liner, Deduct</i>	-22.11	
33 01 30 72-0043	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	125.72	
		<i>For >500 To 1,000, Deduct</i>	-1.23	
		<i>For >1,000 To 2,000, Deduct</i>	-2.47	
		<i>For >2,000, Deduct</i>	-4.94	
		<i>For DR 60 Pipe Liner, Deduct</i>	-16.39	
33 01 30 72-0044		Relining Underground Water Pipelines <small>(33 01 30 72)</small>		
		Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 30 72-0045		Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0044)</small>		
33 01 30 72-0046	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	3,621.09	
33 01 30 72-0047	EA	Move And Reset Up At Different Access/Location.....	1,448.43	
33 01 30 72-0048		Lining Pipe With Cement <small>(33 01 30 72-0044)</small>		
33 01 30 72-0049	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	42.86	
		<i>For 3/16" Thickness, Add</i>	0.44	
		<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0050	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	38.11	
		<i>For 3/16" Thickness, Add</i>	0.44	
		<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0051	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	31.76	
		<i>For 3/16" Thickness, Add</i>	0.44	
		<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0052	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	23.78	
		<i>For 3/16" Thickness, Add</i>	0.44	
		<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0053	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	44.38	
		<i>For 3/16" Thickness, Add</i>	0.66	
		<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0054	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	39.46	
		<i>For 3/16" Thickness, Add</i>	0.66	
		<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0055	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	32.89	
		<i>For 3/16" Thickness, Add</i>	0.66	
		<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0056	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	24.81	
		<i>For 3/16" Thickness, Add</i>	0.66	
		<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0057	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	45.83	
		<i>For 3/16" Thickness, Add</i>	0.88	
		<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0058	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	40.80	
		<i>For 3/16" Thickness, Add</i>	0.88	
		<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0059	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	34.01	
		<i>For 3/16" Thickness, Add</i>	0.88	
		<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0060	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	25.81	
		<i>For 3/16" Thickness, Add</i>	0.88	
		<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0061	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	46.89	
		<i>For 3/16" Thickness, Add</i>	1.10	
		<i>For 1/4" Thickness, Add</i>	2.20	
33 01 30 72-0062	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	41.78	
		<i>For 3/16" Thickness, Add</i>	1.10	
		<i>For 1/4" Thickness, Add</i>	2.20	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0063 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	34.89	
For 3/16" Thickness, Add	1.10	
For 1/4" Thickness, Add	2.20	
33 01 30 72-0064 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	26.85	
For 3/16" Thickness, Add	1.10	
For 1/4" Thickness, Add	2.20	
33 01 30 72-0065 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	50.55	
For 3/16" Thickness, Add	1.32	
For 1/4" Thickness, Add	2.63	
33 01 30 72-0066 LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	45.12	
For 3/16" Thickness, Add	1.32	
For 1/4" Thickness, Add	2.63	
33 01 30 72-0067 LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	37.79	
For 3/16" Thickness, Add	1.32	
For 1/4" Thickness, Add	2.63	
33 01 30 72-0068 LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	29.09	
For 3/16" Thickness, Add	1.32	
For 1/4" Thickness, Add	2.63	
33 01 30 72-0069 LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	53.76	
For 1/4" Thickness, Add	1.46	
For 5/16" Thickness, Add	2.93	
33 01 30 72-0070 LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	48.13	
For 1/4" Thickness, Add	1.46	
For 5/16" Thickness, Add	2.93	
33 01 30 72-0071 LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	40.50	
For 1/4" Thickness, Add	1.46	
For 5/16" Thickness, Add	2.93	
33 01 30 72-0072 LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	32.15	
For 1/4" Thickness, Add	1.46	
For 5/16" Thickness, Add	2.93	
33 01 30 72-0073 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	56.09	
For 1/4" Thickness, Add	1.76	
For 5/16" Thickness, Add	3.51	
33 01 30 72-0074 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	50.29	
For 1/4" Thickness, Add	1.76	
For 5/16" Thickness, Add	3.51	
33 01 30 72-0075 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	42.39	
For 1/4" Thickness, Add	1.76	
For 5/16" Thickness, Add	3.51	
33 01 30 72-0076 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	34.48	
For 1/4" Thickness, Add	1.76	
For 5/16" Thickness, Add	3.51	
33 01 30 72-0077 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	59.07	
For 1/4" Thickness, Add	2.05	
For 5/16" Thickness, Add	4.10	
33 01 30 72-0078 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	53.07	
For 1/4" Thickness, Add	2.05	
For 5/16" Thickness, Add	4.10	
33 01 30 72-0079 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	44.79	
For 1/4" Thickness, Add	2.05	
For 5/16" Thickness, Add	4.10	
33 01 30 72-0080 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	37.40	
For 1/4" Thickness, Add	2.05	
For 5/16" Thickness, Add	4.10	
33 01 30 72-0081 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	62.12	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0082 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	55.87	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0083 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	47.34	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0084 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	40.45	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0085 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	65.97	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0086 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	59.36	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0087 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	50.32	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0088 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	43.36	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0089 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	69.77	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	
33 01 30 72-0090 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	62.86	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	53.31 3.51 7.03	
33 01 30 72-0092 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	46.28 3.51 7.03	
33 01 30 72-0093 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	83.18 9.22 13.83	
33 01 30 72-0094 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	75.64 9.22 13.83	
33 01 30 72-0095 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	65.27 9.22 13.83	
33 01 30 72-0096 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	58.02 9.22 13.83	
33 01 30 72-0097 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	91.25 10.54 15.80	
33 01 30 72-0098 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	83.18 10.54 15.80	
33 01 30 72-0099 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	72.04 10.54 15.80	
33 01 30 72-0100 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	64.64 10.54 15.80	
33 01 30 72-0101 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	95.19 11.86 17.78	
33 01 30 72-0102 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	86.96 11.86 17.78	
33 01 30 72-0103 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	75.55 11.86 17.78	
33 01 30 72-0104 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	68.44 11.86 17.78	
33 01 30 72-0105 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	99.14 13.18 19.76	
33 01 30 72-0106 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	90.76 13.18 19.76	
33 01 30 72-0107 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	79.13 13.18 19.76	
33 01 30 72-0108 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	72.24 13.18 19.76	
33 01 30 72-0109 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	103.29 14.49 21.74	
33 01 30 72-0110 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	94.73 14.49 21.74	
33 01 30 72-0111 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	82.92 14.49 21.74	
33 01 30 72-0112 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	76.53 14.49 21.74	
33 01 30 72-0113 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	107.73 15.81 23.71	
33 01 30 72-0114 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	99.03 15.81 23.71	
33 01 30 72-0115 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	86.92 15.81 23.71	
33 01 30 72-0116 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	80.91 15.81 23.71	

33 01 30 73 Rehabilitation Of Manholes And Sewer Structures (33 01 30)

- 33 01 30 73-0001 Restoration And Rehabilitation Of Manholes (33 01 30 73)
Note: Work is in confined spaces.
- 33 01 30 73-0002 Inspection And Ventilation System Set-up (33 01 30 73-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0003 EA Inspect Manhole.....	128.19	
33 01 30 73-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	7,905.29	
Note: For internal inspection and repair of water mains.		
33 01 30 73-0005 EA Installation And Maintenance Of Ventilation System, 60" to 108" diameter to 2,600'.....	11,132.64	
Note: For internal inspection and repair of water mains		
33 01 30 73-0006 Manhole Seals (33 01 30 73-0001)		
33 01 30 73-0007 Internal Manhole Chimney Seals (33 01 30 73-0006)		
Note: Cretex.		
33 01 30 73-0008 EA 20" Internal Manhole Chimney Seal.....	353.81	
33 01 30 73-0009 EA 22" Internal Manhole Chimney Seal.....	372.93	
33 01 30 73-0010 EA 24" Internal Manhole Chimney Seal.....	382.49	
33 01 30 73-0011 EA 26" Internal Manhole Chimney Seal.....	439.87	
33 01 30 73-0012 EA 28" Internal Manhole Chimney Seal.....	497.24	
33 01 30 73-0013 EA 30" Internal Manhole Chimney Seal.....	554.61	
33 01 30 73-0014 EA 36" Internal Manhole Chimney Seal.....	669.37	
33 01 30 73-0015 External Manhole Encapsulation (33 01 30 73-0006)		
Note: Wrapidseal.		
33 01 30 73-0016 EA 24" External Manhole Encapsulation	516.36	
33 01 30 73-0017 EA 30" External Manhole Encapsulation	545.05	
33 01 30 73-0018 EA 36" External Manhole Encapsulation	583.31	
33 01 30 73-0019 EA 42" External Manhole Encapsulation	631.12	
33 01 30 73-0020 EA 48" External Manhole Encapsulation	698.04	
33 01 30 73-0021 EA 54" External Manhole Encapsulation	774.55	
33 01 30 73-0022 EA 60" External Manhole Encapsulation	870.17	
33 01 30 73-0023 Manhole Restoration (33 01 30 73-0001)		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 73-0024 Cementitious Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0025 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	103.33	
For Each Additional 1/2" Thick Material, Add	25.43	
For 2 To 5 Manholes, Deduct	-7.28	
For 6 To 10 Manholes, Deduct	-11.97	
For >10 Manholes, Deduct	-23.95	
33 01 30 73-0026 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	119.82	
For Each Additional 1/2" Thick Material, Add	29.59	
For 2 To 5 Manholes, Deduct	-8.44	
For 6 To 10 Manholes, Deduct	-13.88	
For >10 Manholes, Deduct	-27.75	
33 01 30 73-0027 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	136.30	
For Each Additional 1/2" Thick Material, Add	33.76	
For 2 To 5 Manholes, Deduct	-9.59	
For 6 To 10 Manholes, Deduct	-15.78	
For >10 Manholes, Deduct	-31.56	
33 01 30 73-0028 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	160.52	
For Each Additional 1/2" Thick Material, Add	41.33	
For 2 To 5 Manholes, Deduct	-11.25	
For 6 To 10 Manholes, Deduct	-18.49	
For >10 Manholes, Deduct	-36.97	
33 01 30 73-0029 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	175.54	
For Each Additional 1/2" Thick Material, Add	47.74	
For 2 To 5 Manholes, Deduct	-12.22	
For 6 To 10 Manholes, Deduct	-20.06	
For >10 Manholes, Deduct	-40.11	
33 01 30 73-0030 Polyurethane Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0031 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	251.97	
For 80 Mil Material, Add	32.31	
For 100 Mil Material, Add	64.62	
For 125 Mil Material, Add	101.26	
For 150 Mil Material, Add	137.90	
For 200 Mil Material, Add	201.17	
For 2 To 5 Manholes, Deduct	-17.60	
For 6 To 10 Manholes, Deduct	-28.90	
For >10 Manholes, Deduct	-57.80	
33 01 30 73-0032 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	305.13	
For 80 Mil Material, Add	38.55	
For 100 Mil Material, Add	77.09	
For 125 Mil Material, Add	120.69	
For 150 Mil Material, Add	164.30	
For 200 Mil Material, Add	239.27	
For 2 To 5 Manholes, Deduct	-21.37	
For 6 To 10 Manholes, Deduct	-35.11	
For >10 Manholes, Deduct	-70.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0033 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	335.96	
For 80 Mil Material, Add	43.08	
For 100 Mil Material, Add	86.16	
For 125 Mil Material, Add	135.01	
For 150 Mil Material, Add	183.86	
For 200 Mil Material, Add	268.23	
For 2 To 5 Manholes, Deduct	-23.47	
For 6 To 10 Manholes, Deduct	-38.53	
For >10 Manholes, Deduct	-77.07	
33 01 30 73-0034 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	420.01	
For 80 Mil Material, Add	53.87	
For 100 Mil Material, Add	107.74	
For 125 Mil Material, Add	168.83	
For 150 Mil Material, Add	229.91	
For 200 Mil Material, Add	335.41	
For 2 To 5 Manholes, Deduct	-29.34	
For 6 To 10 Manholes, Deduct	-48.17	
For >10 Manholes, Deduct	-96.34	
33 01 30 73-0035 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	504.00	
For 80 Mil Material, Add	64.64	
For 100 Mil Material, Add	129.28	
For 125 Mil Material, Add	202.58	
For 150 Mil Material, Add	275.88	
For 200 Mil Material, Add	402.47	
For 2 To 5 Manholes, Deduct	-35.20	
For 6 To 10 Manholes, Deduct	-57.81	
For >10 Manholes, Deduct	-115.61	
33 01 30 73-0036 Epoxy Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0037 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	229.67	
For 80 Mil Material, Add	24.88	
For 100 Mil Material, Add	49.75	
For 125 Mil Material, Add	77.10	
For 150 Mil Material, Add	104.45	
For 200 Mil Material, Add	149.13	
For 2 To 5 Manholes, Deduct	-16.48	
For 6 To 10 Manholes, Deduct	-27.23	
For >10 Manholes, Deduct	-54.46	
33 01 30 73-0038 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	279.09	
For 80 Mil Material, Add	29.87	
For 100 Mil Material, Add	59.73	
For 125 Mil Material, Add	92.48	
For 150 Mil Material, Add	125.24	
For 200 Mil Material, Add	178.51	
For 2 To 5 Manholes, Deduct	-20.07	
For 6 To 10 Manholes, Deduct	-33.16	
For >10 Manholes, Deduct	-66.31	
33 01 30 73-0039 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	306.23	
For 80 Mil Material, Add	33.17	
For 100 Mil Material, Add	66.34	
For 125 Mil Material, Add	102.81	
For 150 Mil Material, Add	139.27	
For 200 Mil Material, Add	198.86	
For 2 To 5 Manholes, Deduct	-21.98	
For 6 To 10 Manholes, Deduct	-36.30	
For >10 Manholes, Deduct	-72.61	
33 01 30 73-0040 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	382.82	
For 80 Mil Material, Add	41.47	
For 100 Mil Material, Add	82.95	
For 125 Mil Material, Add	128.54	
For 150 Mil Material, Add	174.13	
For 200 Mil Material, Add	248.63	
For 2 To 5 Manholes, Deduct	-27.48	
For 6 To 10 Manholes, Deduct	-45.38	
For >10 Manholes, Deduct	-90.77	
33 01 30 73-0041 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	459.08	
For 80 Mil Material, Add	49.77	
For 100 Mil Material, Add	99.53	
For 125 Mil Material, Add	154.24	
For 150 Mil Material, Add	208.95	
For 200 Mil Material, Add	298.36	
For 2 To 5 Manholes, Deduct	-32.97	
For 6 To 10 Manholes, Deduct	-54.46	
For >10 Manholes, Deduct	-108.92	
33 01 30 73-0042 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior (33 01 30 73-0023)		
Note: Wound strip liners.		
33 01 30 73-0043 VLF 3' Diameter CIP Multiplex Liner For Existing Manhole	307.92	
For 2 To 5 Manholes, Deduct	-18.45	
For 6 To 10 Manholes, Deduct	-29.20	
For >10 Manholes, Deduct	-58.41	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0044 VLF 3-1/2' Diameter CIP Multiplex Liner For Existing Manhole.....	377.01	
For 2 To 5 Manholes, Deduct	-22.58	
For 6 To 10 Manholes, Deduct	-35.74	
For >10 Manholes, Deduct	-71.49	
33 01 30 73-0045 VLF 4' Diameter CIP Multiplex Liner For Existing Manhole.....	440.75	
For 2 To 5 Manholes, Deduct	-26.11	
For 6 To 10 Manholes, Deduct	-41.20	
For >10 Manholes, Deduct	-82.41	
33 01 30 73-0046 VLF 5' Diameter CIP Multiplex Liner For Existing Manhole.....	552.55	
For 2 To 5 Manholes, Deduct	-32.72	
For 6 To 10 Manholes, Deduct	-51.63	
For >10 Manholes, Deduct	-103.25	
33 01 30 73-0047 VLF 6' Diameter CIP Multiplex Liner For Existing Manhole.....	664.36	
For 2 To 5 Manholes, Deduct	-39.33	
For 6 To 10 Manholes, Deduct	-62.05	
For >10 Manholes, Deduct	-124.10	
33 01 30 73-0048 Manhole Crack Repair (33 01 30 73-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 73-0049 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	39.47	
33 01 30 73-0050 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	53.07	
33 01 30 73-0051 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	37.81	
33 01 30 73-0052 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	51.07	
33 01 30 73-0053 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	25.51	
33 01 30 73-0054 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	11.18	
33 01 30 73-0055 Manhole Joint Restoration (33 01 30 73-0001)		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 73-0056 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,310.20	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	181.69	
33 01 30 73-0057 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,529.38	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	199.48	
33 01 30 73-0058 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,746.92	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	217.26	
33 01 30 73-0059 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,051.11	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	226.15	
33 01 30 73-0060 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,354.48	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	235.04	
33 01 30 73-0061 Inverts (33 01 30 73-0001)		
33 01 30 73-0062 EA Single Channel Concrete Invert Restoration.....	318.40	
33 01 30 73-0063 EA Triple Channel Concrete Invert Restoration.....	589.04	
33 01 30 73-0064 EA Single Channel Brick Invert Restoration.....	480.39	
33 01 30 73-0065 EA Triple Channel Brick Invert Restoration.....	793.21	
33 01 30 73-0066 Step Installation In Existing Manholes (33 01 30 73-0001)		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 73-0067 EA Drill And Grout 7" x 9" Cast Iron Manhole Steps.....	85.75	16.95
33 01 30 73-0068 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	91.79	16.95
33 01 30 73-0069 EA Drill And Grout Galvanized Steel Manhole Step.....	74.96	16.95
33 01 30 73-0070 EA Bolt On Galvanized Steel Manhole Step.....	85.56	16.95
33 01 30 73-0071 EA Drill And Grout Aluminum Manhole Step.....	73.14	16.95
33 01 30 73-0072 EA Drill And Insert Polypropylene Manhole Step.....	46.07	13.55

33 05 Common Work Results For Utilities (33)**33 05 13 Manholes And Structures** (33 05)**33 05 13 13 Manhole Grade Adjustment** (33 05 13)**33 05 13 13-0001 Up To 12" Rise, Manhole Risers** (33 05 13 13)

Note: Includes valve boxes.

33 05 13 13-0002 Up To 26" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers (33 05 13 13-0001)

33 05 13 13-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	344.33	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	390.78	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	432.48	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	479.93	
Note: For manholes up to 26" in diameter.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 13 13-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes up to 26" in diameter.	517.49	
33 05 13 13-0008 >26" To 32-1/2" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes over 26" in diameter and up to 32-1/2" diameter.	414.75	
33 05 13 13-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes over 26" in diameter and up to 32-1/2" diameter.	453.51	
33 05 13 13-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes over 26" in diameter and up to 32-1/2" diameter.	503.05	
33 05 13 13-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes over 26" in diameter and up to 32-1/2" diameter.	550.50	
33 05 13 13-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers..... Note: For manholes over 26" in diameter and up to 32-1/2" diameter.	595.87	
33 05 13 13-0014 Up To 36" Diameter, >6" To 12" Rise Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0015 EA 6-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....	576.17	
33 05 13 13-0016 EA 7" Rise, Up To 36" Diameter, Solid Manhole Risers.....	628.59	
33 05 13 13-0017 EA 7-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....	681.65	
33 05 13 13-0018 EA 8" Rise, Up To 36" Diameter, Solid Manhole Risers.....	722.40	
33 05 13 13-0019 EA 9" Rise, Up To 36" Diameter, Solid Manhole Risers.....	787.33	
33 05 13 13-0020 EA 10" Rise, Up To 36" Diameter, Solid Manhole Risers.....	845.34	
33 05 13 13-0021 EA 11" Rise, Up To 36" Diameter, Solid Manhole Risers.....	901.60	
33 05 13 13-0022 EA 12" Rise, Up To 36" Diameter, Solid Manhole Risers.....	958.78	
33 05 13 13-0023 >12" Rise, Solid Manhole Risers <small>(33 05 13 13)</small> Note: Includes valve boxes.		
33 05 13 13-0024 Precast Concrete Manhole Riser <small>(33 05 13 13-0023)</small>		
33 05 13 13-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	77.81	
33 05 13 13-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	93.06	
33 05 13 13-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	106.11	
33 05 13 13-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	210.09	
33 05 13 13-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	308.86	
33 05 16 Utility Structures <small>(33 05)</small>		
33 05 16 13 Precast Concrete Directional Structures <small>(33 05 16)</small>		
33 05 16 13-0001 Underground Utility Vaults And Structures <small>(33 05 16 13)</small> See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.		
33 05 16 13-0002 Precast Concrete Underground Utility Vault <small>(33 05 16 13-0001)</small> Note: Sizes given are for inside dimensions.		
33 05 16 13-0003 6' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,502.58	
33 05 16 13-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,262.14	
33 05 16 13-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,381.74	
33 05 16 13-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,214.12	
33 05 16 13-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,168.85	
33 05 16 13-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,074.77	
33 05 16 13-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,981.47	
33 05 16 13-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,642.07	
33 05 16 13-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,642.07	
33 05 16 13-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,881.75	
33 05 16 13-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,128.65	
33 05 16 13-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,181.76	
33 05 16 13-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,265.71	
33 05 16 13-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,553.99	
33 05 16 13-0018 7' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,755.08	
33 05 16 13-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,577.36	
33 05 16 13-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,399.64	
33 05 16 13-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,854.22	
33 05 16 13-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,750.07	
33 05 16 13-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,546.80	
33 05 16 13-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,516.27	
33 05 16 13-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,485.70	
33 05 16 13-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,398.00	
33 05 16 13-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,805.73	
33 05 16 13-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,632.84	
33 05 16 13-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,748.70	
33 05 16 13-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,106.11	
33 05 16 13-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,477.20	
33 05 16 13-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,273.61	
33 05 16 13-0034 8' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,006.79	
33 05 16 13-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,892.59	
33 05 16 13-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,326.67	
33 05 16 13-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,285.27	
33 05 16 13-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,924.77	
33 05 16 13-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,956.97	
33 05 16 13-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,989.17	
33 05 16 13-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,153.91	
33 05 16 13-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,729.77	
33 05 16 13-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,136.29	
33 05 16 13-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,315.64	
33 05 16 13-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,945.67	
33 05 16 13-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,401.24	
33 05 16 13-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,113.75	
33 05 16 13-0049 10' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,302.74	
33 05 16 13-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,397.66	
33 05 16 13-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,953.28	
33 05 16 13-0053 12' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,680.71	
33 05 16 13-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,839.14	
33 05 16 13-0056 Meter Pit <small>(33 05 16 13-0001)</small>		
33 05 16 13-0057 Precast Concrete Meter Pit <small>(33 05 16 13-0056)</small>		
33 05 16 13-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,771.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,362.11	
33 05 16 13-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	2,907.15	
33 05 16 13-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	3,568.10	
33 05 16 13-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	4,815.33	
33 05 16 13-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,649.11	
33 05 16 13-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	3,568.10	
33 05 16 13-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	4,540.91	
33 05 16 13-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	5,667.18	
33 05 16 13-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	7,815.15	
33 05 16 13-0068 Handhole Or Pull Box Enclosures (33 05 16 13-0001)		
33 05 16 13-0069 Polymer Concrete Handhole Enclosures (33 05 16 13-0068)		
33 05 16 13-0070 Polymer Concrete Handhole Enclosures (33 05 16 13-0069)		
33 05 16 13-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0070)		
33 05 16 13-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	184.91	17.95
33 05 16 13-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	170.97	39.89
33 05 16 13-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	260.54	59.83
33 05 16 13-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	298.34	59.83
33 05 16 13-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	285.85	59.83
33 05 16 13-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	340.37	59.83
33 05 16 13-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	332.14	59.83
33 05 16 13-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	442.54	59.83
33 05 16 13-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	626.15	79.77
33 05 16 13-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	863.74	79.77
33 05 16 13-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	585.73	109.68
33 05 16 13-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	660.13	109.68
33 05 16 13-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,047.19	109.68
33 05 16 13-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	626.65	119.65
33 05 16 13-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	870.37	119.65
33 05 16 13-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,069.67	119.65
33 05 16 13-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,541.06	119.65
33 05 16 13-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	899.83	177.66
33 05 16 13-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,266.64	177.66
33 05 16 13-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	234.30	17.95
33 05 16 13-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	319.35	59.83
33 05 16 13-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	380.20	59.83
33 05 16 13-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	352.97	59.83
33 05 16 13-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	399.57	59.83
33 05 16 13-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	411.79	59.83
33 05 16 13-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	522.87	59.83
33 05 16 13-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	710.80	109.68
33 05 16 13-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	785.20	109.68
33 05 16 13-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,172.27	109.68
33 05 16 13-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,045.99	177.66

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,415.59	177.66
33 05 16 13-0105 Straight Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0070)		
33 05 16 13-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0105)		
33 05 16 13-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	297.85	17.95
33 05 16 13-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	253.15	17.95
33 05 16 13-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	227.55	59.83
33 05 16 13-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	253.92	59.83
33 05 16 13-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	76.59	17.95
33 05 16 13-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	113.97	17.95
33 05 16 13-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	178.84	17.95
33 05 16 13-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.70	17.95
33 05 16 13-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	168.23	39.89
33 05 16 13-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	180.27	39.89
33 05 16 13-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	112.36	17.95
33 05 16 13-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	127.07	17.95
33 05 16 13-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	179.02	39.89
33 05 16 13-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	199.27	39.89
33 05 16 13-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	186.16	39.89
33 05 16 13-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.78	59.83
33 05 16 13-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	248.63	59.83
33 05 16 13-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	263.40	59.83
33 05 16 13-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	285.65	59.83
33 05 16 13-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	330.00	59.83
33 05 16 13-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	356.91	59.83
33 05 16 13-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	386.36	59.83
33 05 16 13-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	404.87	59.83
33 05 16 13-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	486.58	79.77
33 05 16 13-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	505.12	109.68
33 05 16 13-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	634.07	109.68
33 05 16 13-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	753.14	109.68
33 05 16 13-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	828.33	109.68
33 05 16 13-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	903.13	109.68
33 05 16 13-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,042.93	177.66
33 05 16 13-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	779.33	177.66
33 05 16 13-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	874.83	177.66
33 05 16 13-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,057.45	177.66
33 05 16 13-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,055.58	177.66
33 05 16 13-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,123.75	177.66
33 05 16 13-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,254.84	177.66
33 05 16 13-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,165.37	190.35
33 05 16 13-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,257.93	190.35
33 05 16 13-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,376.10	190.35
33 05 16 13-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,423.38	190.35
33 05 16 13-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,439.82	190.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,619.87	190.35
33 05 16 13-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,270.20	190.35
33 05 16 13-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,649.59	190.35
33 05 16 13-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,852.09	203.03
33 05 16 13-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,264.88	203.03
33 05 16 13-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,880.07	203.03
33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	296.03	59.83
33 05 16 13-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	335.15	59.83
33 05 16 13-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	123.48	17.95
33 05 16 13-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	174.57	17.95
33 05 16 13-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	231.04	17.95
33 05 16 13-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.90	17.95
33 05 16 13-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	219.64	39.89
33 05 16 13-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.03	39.89
33 05 16 13-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	239.23	39.89
33 05 16 13-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	163.50	17.95
33 05 16 13-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	191.62	17.95
33 05 16 13-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.96	39.89
33 05 16 13-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	259.21	39.89
33 05 16 13-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	246.74	39.89
33 05 16 13-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	295.65	59.83
33 05 16 13-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	315.75	59.83
33 05 16 13-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	343.20	59.83
33 05 16 13-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	365.30	59.83
33 05 16 13-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	409.53	59.83
33 05 16 13-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	436.56	59.83
33 05 16 13-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	465.87	59.83
33 05 16 13-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	484.51	59.83
33 05 16 13-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	596.61	79.77
33 05 16 13-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	630.21	109.68
33 05 16 13-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	759.01	109.68
33 05 16 13-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	877.94	109.68
33 05 16 13-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	953.02	109.68
33 05 16 13-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,028.06	109.68
33 05 16 13-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	924.11	177.66
33 05 16 13-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,019.76	177.66
33 05 16 13-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,202.23	177.66
33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	274.16	59.83
33 05 16 13-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	314.37	59.83

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	93.59	17.95
33 05 16 13-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	148.33	17.95
33 05 16 13-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	209.20	17.95
33 05 16 13-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.20	17.95
33 05 16 13-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	205.26	39.89
33 05 16 13-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.57	39.89
33 05 16 13-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	130.90	17.95
33 05 16 13-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	216.72	39.89
33 05 16 13-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	245.75	39.89
33 05 16 13-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	224.26	39.89
33 05 16 13-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	292.57	59.83
33 05 16 13-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	332.26	59.83
33 05 16 13-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	345.46	59.83
33 05 16 13-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	376.89	59.83
33 05 16 13-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	405.80	59.83
33 05 16 13-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	433.10	59.83
33 05 16 13-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	481.97	59.83
33 05 16 13-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	488.79	59.83
33 05 16 13-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	605.13	79.77
33 05 16 13-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	641.26	109.68
33 05 16 13-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	783.50	109.68
33 05 16 13-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	924.18	109.68
33 05 16 13-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,017.61	109.68
33 05 16 13-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,111.05	109.68
33 05 16 13-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,217.02	177.66
33 05 16 13-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	953.43	177.66
33 05 16 13-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,056.38	177.66
33 05 16 13-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,238.87	177.66
33 05 16 13-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,319.36	177.66
33 05 16 13-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,344.57	177.66
33 05 16 13-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,589.10	177.66
33 05 16 13-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,485.37	190.35
33 05 16 13-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,533.19	190.35
33 05 16 13-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,668.86	190.35
33 05 16 13-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,771.54	190.35
33 05 16 13-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,634.29	190.35
33 05 16 13-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,001.51	190.35
33 05 16 13-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,748.62	190.35
33 05 16 13-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,913.39	190.35
33 05 16 13-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,305.31	203.03
33 05 16 13-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,718.27	203.03
33 05 16 13-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,634.70	203.03

33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0105)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	342.62	59.83
33 05 16 13-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.75	59.83
33 05 16 13-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	140.11	17.95
33 05 16 13-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.81	17.95
33 05 16 13-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	261.29	17.95
33 05 16 13-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.40	17.95
33 05 16 13-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	265.21	39.89
33 05 16 13-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.37	39.89
33 05 16 13-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	197.37	17.95
33 05 16 13-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	276.39	39.89
33 05 16 13-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	305.42	39.89
33 05 16 13-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.73	39.89
33 05 16 13-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.71	59.83
33 05 16 13-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	399.40	59.83
33 05 16 13-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.10	59.83
33 05 16 13-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.54	59.83
33 05 16 13-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	485.45	59.83
33 05 16 13-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	512.75	59.83
33 05 16 13-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	561.64	59.83
33 05 16 13-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	568.43	59.83
33 05 16 13-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	715.01	79.77
33 05 16 13-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	766.34	109.68
33 05 16 13-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	908.45	109.68
33 05 16 13-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,048.97	109.68
33 05 16 13-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,142.48	109.68
33 05 16 13-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,235.98	109.68
33 05 16 13-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,098.34	177.66
33 05 16 13-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,201.43	177.66
33 05 16 13-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,383.79	177.66
33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	290.85	59.83
33 05 16 13-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	196.20	39.89
33 05 16 13-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	218.58	39.89
33 05 16 13-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	261.80	59.83
33 05 16 13-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	203.53	39.89
33 05 16 13-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	224.97	39.89
33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 16 13-0069)</small>		
33 05 16 13-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	220.12	59.83
33 05 16 13-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	243.45	59.83
33 05 16 13-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	284.67	79.77
33 05 16 13-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	307.58	79.77
33 05 16 13-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	371.56	109.68
33 05 16 13-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	643.46	177.66

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	618.42	177.66
33 05 16 13-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	623.89	177.66
33 05 16 13-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	819.40	190.35
33 05 16 13-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,255.95	203.03
33 05 16 13-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,619.70	203.03
33 05 16 13-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	342.53	59.83
33 05 16 13-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	356.78	59.83
33 05 16 13-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	389.09	79.77
33 05 16 13-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	412.24	79.77
33 05 16 13-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	486.08	109.68
33 05 16 13-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	780.26	177.66
33 05 16 13-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	272.86	59.83
33 05 16 13-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	300.97	59.83
33 05 16 13-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	411.89	109.68
33 05 16 13-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	792.58	190.35

33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0069)**33 05 16 13-0291 Polymer Concrete Handhole Enclosure Covers** (33 05 16 13-0290)

33 05 16 13-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	72.13	7.98
33 05 16 13-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	73.03	7.98
33 05 16 13-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	67.89	7.98
33 05 16 13-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	73.21	7.98
33 05 16 13-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	73.90	7.98
33 05 16 13-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	84.36	7.98
33 05 16 13-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	97.30	7.98
33 05 16 13-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	626.98	22.84
33 05 16 13-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	549.83	22.84
33 05 16 13-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	818.56	22.84
33 05 16 13-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	827.72	22.84
33 05 16 13-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	936.46	22.84
33 05 16 13-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,019.52	22.84
33 05 16 13-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,632.74	22.84
33 05 16 13-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	62.20	7.98
33 05 16 13-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	87.88	7.98
33 05 16 13-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	89.07	7.98
33 05 16 13-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	111.33	7.98
33 05 16 13-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	84.69	7.98
33 05 16 13-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	131.17	7.98
33 05 16 13-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	103.61	7.98
33 05 16 13-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	209.60	7.98
33 05 16 13-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	185.44	11.96
33 05 16 13-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	231.32	11.96
33 05 16 13-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	297.61	13.96
33 05 16 13-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	416.81	17.76
33 05 16 13-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	433.83	33.84
33 05 16 13-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	112.66	7.98
33 05 16 13-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	159.41	7.98
33 05 16 13-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	181.00	7.98
33 05 16 13-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	299.06	7.98
33 05 16 13-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	248.51	11.96
33 05 16 13-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	417.74	13.96
33 05 16 13-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	546.94	17.76
33 05 16 13-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	737.59	22.84
33 05 16 13-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	656.76	22.84
33 05 16 13-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	913.81	22.84
33 05 16 13-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,187.20	22.84
33 05 16 13-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,137.33	22.84
33 05 16 13-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,721.77	22.84
33 05 16 13-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,654.58	22.84
33 05 16 13-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	147.30	7.98
33 05 16 13-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	160.81	7.98
33 05 16 13-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	210.83	7.98
33 05 16 13-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	239.86	7.98
33 05 16 13-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	412.51	7.98
33 05 16 13-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	301.97	11.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	411.27	11.96
33 05 16 13-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	636.01	13.96
33 05 16 13-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	728.08	17.76
33 05 16 13-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	758.16	33.84
33 05 16 13-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	876.77	22.84
33 05 16 13-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,220.46	22.84
33 05 16 13-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,703.88	22.84
33 05 16 13-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,521.44	22.84
33 05 16 13-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,515.42	22.84
33 05 16 13-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,877.69	22.84
33 05 16 13-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 16 13-0290)		
33 05 16 13-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	82.42	7.98
33 05 16 13-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	86.94	7.98
33 05 16 13-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.42	7.98
33 05 16 13-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.98	7.98
33 05 16 13-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	102.24	7.98
33 05 16 13-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	66.37	7.98
33 05 16 13-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.15	7.98
33 05 16 13-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.98	7.98
33 05 16 13-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.73	7.98
33 05 16 13-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	89.49	7.98
33 05 16 13-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	108.67	7.98
33 05 16 13-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	135.84	7.98
33 05 16 13-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	188.57	11.96
33 05 16 13-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	236.13	11.96
33 05 16 13-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	438.76	33.84
33 05 16 13-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	55.76	7.98
33 05 16 13-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	85.52	7.98
33 05 16 13-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.80	7.98
33 05 16 13-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.68	7.98
33 05 16 13-0369 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	75.24	7.98
33 05 16 13-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	116.92	7.98
33 05 16 13-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	126.56	7.98
33 05 16 13-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	163.95	7.98
33 05 16 13-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	185.92	7.98
33 05 16 13-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	252.91	11.96
33 05 16 13-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	314.70	11.96
33 05 16 13-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	575.28	33.84
33 05 16 13-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 16 13-0290)		
33 05 16 13-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	45.52	7.98
33 05 16 13-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	53.53	7.98
33 05 16 13-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	64.31	7.98
33 05 16 13-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	69.10	7.98
33 05 16 13-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	68.98	7.98
33 05 16 13-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	81.26	7.98
33 05 16 13-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.32	7.98
33 05 16 13-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	223.46	11.96
33 05 16 13-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	415.86	33.84
33 05 16 13-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	620.24	22.84
33 05 16 13-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	542.21	22.84
33 05 16 13-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	806.03	22.84
33 05 16 13-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	778.14	22.84
33 05 16 13-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	929.19	22.84
33 05 16 13-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	992.64	22.84
33 05 16 13-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,581.09	22.84
33 05 16 13-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	59.92	7.98
33 05 16 13-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	58.59	7.98
33 05 16 13-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	85.00	7.98
33 05 16 13-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.09	7.98
33 05 16 13-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	104.94	7.98
33 05 16 13-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	80.56	7.98
33 05 16 13-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	89.49	7.98
33 05 16 13-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.58	7.98
33 05 16 13-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	181.82	11.96
33 05 16 13-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	225.95	11.96
33 05 16 13-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	223.33	11.96
33 05 16 13-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	400.42	17.76
33 05 16 13-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	415.86	20.30
33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	645.37	22.84
33 05 16 13-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	930.12	22.84
33 05 16 13-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	541.97	33.84

33 Utilities

33 05 Common Work Results For Utilities

33 05 16 Utility Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	715.80	33.84
33 05 16 13-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	764.94	22.84
33 05 16 13-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,038.98	22.84
33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers <small>(33 05 16 13-0290)</small>		
33 05 16 13-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	253.00	11.96
33 05 16 13-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	468.10	17.76
33 05 16 13-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	490.18	33.84
33 05 16 13-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	43.29	7.98
33 05 16 13-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	69.52	7.98
33 05 16 13-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	76.16	7.98
33 05 16 13-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	80.55	7.98
33 05 16 13-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	71.10	7.98
33 05 16 13-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	122.65	7.98
33 05 16 13-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	337.27	11.96
33 05 16 13-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	620.08	17.76
33 05 16 13-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	650.54	33.84
33 05 16 13-0427 Precast Concrete Handholes With Steel Cover <small>(33 05 16 13-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 16 13-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover	566.03	169.81
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 18.00		
33 05 16 13-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover	941.32	254.72
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 85.27		
33 05 16 13-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,151.20	339.62
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 143.94		
33 05 16 13-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,191.49	339.62
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 178.78		
33 05 16 13-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,409.05	424.53
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 212.61		
33 05 16 13-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,476.19	424.53
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 240.97		
33 05 16 13-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover	1,711.85	509.44
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 279.15		
33 05 16 13-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover	1,968.61	594.34
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 410.75		
33 05 16 13-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover	1,910.49	509.44
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 468.47		
33 05 16 13-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover	1,927.58	509.44
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 298.27		
33 05 16 13-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	456.68	169.81
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 16 13-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	535.13	191.04
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 16 13-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	649.54	212.27
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 23 Trenchless Utility Installation <small>(33 05)</small>		
33 05 23 13 Utility Horizontal Directional Drilling <small>(33 05 23)</small>		
33 05 23 13-0001 Horizontal Augering <small>(33 05 23 13)</small>		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 23 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	19.66	
33 05 23 13-0003 LF 3" Diameter Horizontal Hand Augering	23.72	
33 05 23 13-0004 LF 4" Diameter Horizontal Hand Augering	32.54	
33 05 23 13-0005 LF 6" Diameter Horizontal Hand Augering	42.03	
33 05 23 13-0006 LF 8" Diameter Horizontal Augering.....	70.52	
33 05 23 13-0007 LF 10" Diameter Horizontal Augering.....	102.88	
33 05 23 13-0008 LF 12" Diameter Horizontal Augering.....	123.63	
33 05 23 13-0009 LF 16" Diameter Horizontal Augering.....	147.69	
33 05 23 13-0010 LF 20" Diameter Horizontal Augering.....	255.54	
33 05 23 13-0011 LF 24" Diameter Horizontal Augering.....	316.91	
33 05 23 13-0012 LF 30" Diameter Horizontal Augering.....	390.89	
33 05 23 13-0013 LF 36" Diameter Horizontal Augering.....	446.60	
33 05 23 13-0014 LF 42" Diameter Horizontal Augering.....	565.70	
33 05 23 13-0015 LF 48" Diameter Horizontal Augering.....	609.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0016 LF 54" Diameter Horizontal Augering.....	662.91	
33 05 23 13-0017 LF 60" Diameter Horizontal Augering.....	695.00	
33 05 23 13-0018 EA 8" To 36" Horizontal Augering Minimum Set-up Charge.....	1,461.28	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0019 EA >36" Horizontal Augering Minimum Set-up Charge.....	2,566.64	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0020 Horizontal Directional Boring (33 05 23 13)		
Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 23 13-0021 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	9.77	
33 05 23 13-0022 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground	14.66	
33 05 23 13-0023 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	20.37	
33 05 23 13-0024 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground	25.26	
33 05 23 13-0025 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground	30.14	
33 05 23 13-0026 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground	35.03	
33 05 23 13-0027 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground	40.74	
33 05 23 13-0028 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground	49.78	
33 05 23 13-0029 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground	53.93	
33 05 23 13-0030 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground	58.07	
33 05 23 13-0031 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground	66.37	
33 05 23 13-0032 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground	82.20	
33 05 23 13-0033 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground	91.33	
33 05 23 13-0034 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground	100.46	
33 05 23 13-0035 EA Boring Minimum Charge	2,191.92	
Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0036 Casing Pipe (33 05 23 13)		
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 23 13-0037 Steel Pipe (33 05 23 13-0036)		
33 05 23 13-0038 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine.....	7.53	
Note: Includes pipe welding.		
33 05 23 13-0039 LF 2" Steel Pipe Pull In Place By Boring Machine	8.01	
Note: Includes pipe welding.		
33 05 23 13-0040 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine	8.60	
Note: Includes pipe welding.		
33 05 23 13-0041 LF 3" Steel Pipe Pull In Place By Boring Machine	9.20	
Note: Includes pipe welding.		
33 05 23 13-0042 LF 4" Steel Pipe Pull In Place By Boring Machine	11.38	
Note: Includes pipe welding.		
33 05 23 13-0043 LF 5" Steel Pipe Pull In Place By Boring Machine	12.73	
Note: Includes pipe welding.		
33 05 23 13-0044 LF 6" Steel Pipe Pull In Place By Boring Machine	14.08	
Note: Includes pipe welding.		
33 05 23 13-0045 Polyethylene Pipe (33 05 23 13-0036)		
33 05 23 13-0046 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.18	
Note: Includes pipe welding.		
33 05 23 13-0047 LF 1" Polyethylene Pipe Pull In Place By Boring Machine	3.52	
Note: Includes pipe welding.		
33 05 23 13-0048 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.83	
Note: Includes pipe welding.		
33 05 23 13-0049 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.08	
Note: Includes pipe welding.		
33 05 23 13-0050 LF 2" Polyethylene Pipe Pull In Place By Boring Machine	4.38	
Note: Includes pipe welding.		
33 05 23 13-0051 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.66	
Note: Includes pipe welding.		
33 05 23 13-0052 LF 3" Polyethylene Pipe Pull In Place By Boring Machine	4.93	
Note: Includes pipe welding.		
33 05 23 13-0053 LF 4" Polyethylene Pipe Pull In Place By Boring Machine	5.86	
Note: Includes pipe welding.		
33 05 23 13-0054 LF 5" Polyethylene Pipe Pull In Place By Boring Machine	6.42	
Note: Includes pipe welding.		
33 05 23 13-0055 LF 6" Polyethylene Pipe Pull In Place By Boring Machine	6.98	
Note: Includes pipe welding.		
33 05 23 13-0056 LF 8" Polyethylene Pipe Pull In Place By Boring Machine.....	8.87	
Note: Includes pipe welding.		
33 05 23 13-0057 LF 10" Polyethylene Pipe Pull In Place By Boring Machine	11.74	
Note: Includes pipe welding.		
33 05 23 16 Utility Pipe Jacking (33 05 23)		
33 05 23 16-0001 Horizontal Jacking (33 05 23 16)		
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 23 16-0002 LF Up To 2" Diameter Horizontal Jacking.....	37.49	

33 Utilities**33 05 Common Work Results For Utilities****33 05 23 Trenchless Utility Installation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 23 16-0003	LF	3" Diameter Horizontal Jacking.....	45.09	
33 05 23 16-0004	LF	4" Diameter Horizontal Jacking.....	61.35	
33 05 23 16-0005	LF	6" Diameter Horizontal Jacking.....	79.26	
33 05 23 16-0006	LF	8" Diameter Horizontal Jacking.....	107.97	
33 05 23 16-0007	LF	10" Diameter Horizontal Jacking.....	157.94	
33 05 23 16-0008	LF	12" Diameter Horizontal Jacking.....	189.97	
33 05 23 16-0009	LF	16" Diameter Horizontal Jacking.....	226.89	
33 05 23 16-0010	LF	20" Diameter Horizontal Jacking.....	372.27	
33 05 23 16-0011	LF	24" Diameter Horizontal Jacking.....	518.13	
33 05 23 16-0012	LF	30" Diameter Horizontal Jacking.....	616.99	
33 05 23 16-0013	LF	36" Diameter Horizontal Jacking.....	700.33	
33 05 23 16-0014	LF	42" Diameter Horizontal Jacking.....	753.93	
33 05 23 16-0015	LF	48" Diameter Horizontal Jacking.....	815.42	
33 05 23 16-0016	LF	54" Diameter Horizontal Jacking.....	878.01	
33 05 23 16-0017	EA	Up To 36" Horizontal Jacking Minimum Set-up Charge.....	1,711.09	
		Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 16-0018	EA	>36" Horizontal Jacking Minimum Set-up Charge.....	3,208.29	
		Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 26 Utility Identification (33 05)**33 05 26 00-0001 Reflective Sheeting Delineators (33 05 26)**

33 05 26 00-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	32.57	
33 05 26 00-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	34.60	
33 05 26 00-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	38.66	
33 05 26 00-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	40.68	
33 05 26 00-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	42.71	
33 05 26 00-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square.....	37.13	
33 05 26 00-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	33.08	
33 05 26 00-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	35.11	
33 05 26 00-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	35.11	
33 05 26 00-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	37.13	
33 05 26 00-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	39.16	
33 05 26 00-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	41.19	
33 05 26 00-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	59.45	
33 05 26 00-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	40.68	
33 05 26 00-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	61.98	
33 05 26 00-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	59.45	
33 05 26 00-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	61.47	
33 05 26 00-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	61.98	
33 05 26 00-0020	EA	Relocate Delineator.....	42.12	

33 05 26 00-0021 Reference Markers (33 05 26)

33 05 26 00-0022	EA	Reference Marker, 4' Mounting Height.....	42.40	
33 05 26 00-0023	EA	Reference Marker, 7' Mounting Height.....	48.40	
33 05 26 00-0024	EA	Reference Marker, Band Or Bracket Mounted.....	46.65	
33 05 26 00-0025	EA	Reference Marker, Furnish Panel Only.....	25.75	
33 05 26 00-0026	EA	Relocate Reference Marker.....	42.12	

33 05 26 00-0027 Object Markers (33 05 26)

33 05 26 00-0028	EA	Object Marker, Type L-1.....	54.03	
33 05 26 00-0029	EA	Object Marker, Type L-2.....	50.40	
33 05 26 00-0030	EA	Object Marker, Type K-1.....	56.93	
33 05 26 00-0031	EA	Object Marker, Type K-2.....	53.30	
33 05 26 00-0032	EA	Object Marker, Type Q.....	38.79	

33 10 Water Utilities (33)**33 11 Water Utility Distribution Piping (33 10)**

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 11 13 Public Water Utility Distribution Piping (33 11)**33 11 13 13 Ductile Iron Public Water Utility Distribution Piping (33 11 13)****33 11 13 13-0001 Ductile Iron Piping (33 11 13 13)**



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0002 Mechanical Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small> Note: Gaskets, glands, strapping and bolts for mechanical joint pipe and fittings are furnished (included with fitting or pipe) in sufficient quantities to provide for each socket opening on pipe and fittings. Accessories conform to applicable requirements of ANSI/AWWA C111/A21.11. Cement lining and bituminous coating shall conform to ANSI A21.4.		
33 11 13 13-0003 Mechanical Joint Ductile Iron Pipe <small>(33 11 13 13-0002)</small> Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 11 13 13-0004 LF 4" Mechanical Joint Ductile Iron Pipe.....	32.17	9.50
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.45	
For Cement Lining, Add	1.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.33	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.61	
For Class 51, Add	1.65	
For Class 52, Add	3.55	
For Class 53, Add	5.39	
For Class 54, Add	7.24	
For Class 55, Add	9.03	
For Class 56, Add	11.28	
33 11 13 13-0005 LF 6" Mechanical Joint Ductile Iron Pipe.....	32.91	9.50
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.96	
For Cement Lining, Add	1.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.65	
For Class 51, Add	1.71	
For Class 52, Add	3.69	
For Class 53, Add	5.59	
For Class 54, Add	7.51	
For Class 55, Add	9.37	
For Class 56, Add	11.71	
33 11 13 13-0006 LF 8" Mechanical Joint Ductile Iron Pipe.....	39.39	10.36
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.58	
For Cement Lining, Add	2.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.78	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.97	
For Class 51, Add	2.15	
For Class 52, Add	4.65	
For Class 53, Add	7.05	
For Class 54, Add	9.47	
For Class 55, Add	11.82	
For Class 56, Add	14.78	
33 11 13 13-0007 LF 10" Mechanical Joint Ductile Iron Pipe.....	53.19	14.76
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.49	
For Cement Lining, Add	3.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.31	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.66	
For Class 51, Add	2.82	
For Class 52, Add	6.10	
For Class 53, Add	9.25	
For Class 54, Add	12.42	
For Class 55, Add	15.49	
For Class 56, Add	19.37	
33 11 13 13-0008 LF 12" Mechanical Joint Ductile Iron Pipe.....	64.21	16.40
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.68	
For Cement Lining, Add	3.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.21	
For Class 51, Add	3.56	
For Class 52, Add	7.69	
For Class 53, Add	11.67	
For Class 54, Add	15.68	
For Class 55, Add	19.55	
For Class 56, Add	24.46	
33 11 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	76.78	18.41
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.48	
For Cement Lining, Add	4.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.66	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.84	
For Class 51, Add	4.37	
For Class 52, Add	9.47	
For Class 53, Add	14.37	
For Class 54, Add	19.30	
For Class 55, Add	24.07	
For Class 56, Add	30.12	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	86.68	21.09
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.44	
For Cement Lining, Add	5.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.10	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.33	
For Class 51, Add	4.91	
For Class 52, Add	10.63	
For Class 53, Add	16.13	
For Class 54, Add	21.67	
For Class 55, Add	27.03	
For Class 56, Add	33.81	
33 11 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	107.47	24.60
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.78	
For Cement Lining, Add	7.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.37	
For Class 51, Add	6.25	
For Class 52, Add	13.54	
For Class 53, Add	20.55	
For Class 54, Add	27.60	
For Class 55, Add	34.43	
For Class 56, Add	43.09	
33 11 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	122.02	29.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.37	
For Cement Lining, Add	7.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.10	
For Class 51, Add	6.93	
For Class 52, Add	15.01	
For Class 53, Add	22.76	
For Class 54, Add	30.58	
For Class 55, Add	38.14	
For Class 56, Add	47.72	
33 11 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	159.65	36.90
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.16	
For Cement Lining, Add	10.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.78	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.98	
For Class 51, Add	9.25	
For Class 52, Add	20.04	
For Class 53, Add	30.40	
For Class 54, Add	40.84	
For Class 55, Add	50.94	
For Class 56, Add	63.74	
33 11 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	205.92	39.74
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	45.35	
For Cement Lining, Add	14.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.97	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.30	
For Class 51, Add	12.81	
For Class 52, Add	27.77	
For Class 53, Add	42.15	
For Class 54, Add	56.62	
For Class 55, Add	70.63	
For Class 56, Add	88.44	
33 11 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	246.29	42.20
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	56.71	
For Cement Lining, Add	18.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.72	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.31	
For Class 51, Add	15.87	
For Class 52, Add	34.45	
For Class 53, Add	52.28	
For Class 54, Add	70.25	
For Class 55, Add	87.62	
For Class 56, Add	109.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	302.74	44.65
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	73.05	
For Cement Lining, Add	23.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.14	
For Class 51, Add	20.27	
For Class 52, Add	44.02	
For Class 53, Add	66.81	
For Class 54, Add	89.77	
For Class 55, Add	111.96	
For Class 56, Add	140.29	
33 11 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	371.18	47.19
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	93.11	
For Cement Lining, Add	30.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.53	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.56	
For Class 51, Add	25.65	
For Class 52, Add	55.74	
For Class 53, Add	84.60	
For Class 54, Add	113.68	
For Class 55, Add	141.79	
For Class 56, Add	177.71	
33 11 13 13-0018 LF 54" Mechanical Joint Ductile Iron Pipe.....	527.81	49.65
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	140.51	
For Cement Lining, Add	45.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.99	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-26.39	
For Class 51, Add	38.30	
For Class 52, Add	83.30	
For Class 53, Add	126.46	
For Class 54, Add	169.94	
For Class 55, Add	211.95	
For Class 56, Add	265.76	
33 11 13 13-0019 90 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0020 EA 4" 90 Degree Elbow, Mechanical Joint Ductile Iron	345.94	33.66
For Cement Lining, Add	29.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021 EA 6" 90 Degree Elbow, Mechanical Joint Ductile Iron	471.96	49.74
For Cement Lining, Add	39.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022 EA 8" 90 Degree Elbow, Mechanical Joint Ductile Iron	648.79	59.00
For Cement Lining, Add	55.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0023 EA 10" 90 Degree Elbow, Mechanical Joint Ductile Iron	983.96	65.46
For Cement Lining, Add	88.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024 EA 12" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,326.55	76.78
For Cement Lining, Add	121.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.77	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0025 EA 14" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,461.13	86.11
For Cement Lining, Add	133.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.80	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0026 EA 16" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,653.89	98.41
For Cement Lining, Add	150.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0027 EA 18" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,521.85	137.77
For Cement Lining, Add	231.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	173.49	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0028 EA 20" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,872.51	172.21
For Cement Lining, Add	261.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	195.87	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0029 EA 24" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,073.25	229.31
For Cement Lining, Add	472.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.43	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0030 EA 30" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,433.50	246.01
For Cement Lining, Add	506.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0031 EA 36" 90 Degree Elbow, Mechanical Joint Ductile Iron	7,798.34	255.41
For Cement Lining, Add	741.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	555.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0032 EA 42" 90 Degree Elbow, Mechanical Joint Ductile Iron	12,703.81	295.21
For Cement Lining, Add	1,225.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	919.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0033 EA 48" 90 Degree Elbow, Mechanical Joint Ductile Iron	16,990.39	314.08
For Cement Lining, Add	1,651.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,238.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0034 EA 54" 90 Degree Elbow, Mechanical Joint Ductile Iron	19,801.29	332.12
For Cement Lining, Add	1,929.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,447.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0035 45 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0036 EA 4" 45 Degree Elbow, Mechanical Joint Ductile Iron	327.63	33.66
For Cement Lining, Add	27.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0037 EA 6" 45 Degree Elbow, Mechanical Joint Ductile Iron	380.43	49.74
For Cement Lining, Add	30.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0038 EA 8" 45 Degree Elbow, Mechanical Joint Ductile Iron	516.48	59.00
For Cement Lining, Add	42.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0039 EA 10" 45 Degree Elbow, Mechanical Joint Ductile Iron	649.37	65.46
For Cement Lining, Add	55.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0040 EA 12" 45 Degree Elbow, Mechanical Joint Ductile Iron	868.89	76.78
For Cement Lining, Add	75.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0041 EA 14" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,002.53	86.11
For Cement Lining, Add	87.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0042 EA 16" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,140.66	98.41
For Cement Lining, Add	99.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0043 EA 18" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,421.12	137.77
For Cement Lining, Add	121.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0044 EA 20" 45 Degree Elbow, Mechanical Joint Ductile Iron	2,350.18	172.21
For Cement Lining, Add	208.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0045 EA 24" 45 Degree Elbow, Mechanical Joint Ductile Iron	3,891.81	229.31
For Cement Lining, Add	354.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	265.82	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0046 EA 30° 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,506.18 413.34 310.01	246.01
33 11 13 13-0047 EA 36° 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,660.15 627.32 470.49	255.41
33 11 13 13-0048 EA 42° 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,262.91 1,181.56 886.17	295.21
33 11 13 13-0049 EA 48° 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,149.32 1,567.35 1,175.51	314.08
33 11 13 13-0050 EA 54° 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,533.71 1,903.05 1,427.29	332.12
33 11 13 13-0051 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0052 EA 4° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	350.20 29.92 22.44 49.52	33.66
33 11 13 13-0053 EA 6° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	414.53 33.92 25.44 49.52	49.74
33 11 13 13-0054 EA 8° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	506.67 41.72 31.29 49.52	59.00
33 11 13 13-0055 EA 10° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.36 49.52 37.14 67.73	65.46
33 11 13 13-0056 EA 12° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	793.63 67.73 50.80 69.44	76.78
33 11 13 13-0057 EA 14° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	824.87 69.44 52.08 82.32	86.11
33 11 13 13-0058 EA 16° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	972.26 82.32 61.74 116.50	98.41
33 11 13 13-0059 EA 18° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,762.02 155.33 116.50 144.13	137.77
33 11 13 13-0060 EA 20° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,182.64 192.17 144.13 201.10	172.21
33 11 13 13-0061 EA 24° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,028.83 268.13 201.10 576.04	229.31
33 11 13 13-0062 EA 30° 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,133.19 576.04 432.03	246.01

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0063 EA 36" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	8,634.61	255.41
For Cement Lining, Add	824.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	618.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0064 EA 42" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	12,265.31	295.21
For Cement Lining, Add	1,181.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.35	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0065 EA 48" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	16,146.93	314.08
For Cement Lining, Add	1,567.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,175.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0066 EA 54" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	19,519.75	332.12
For Cement Lining, Add	1,901.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,426.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0067 Tee, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0068 EA 4" x 3" Tee, Mechanical Joint Ductile Iron.....	381.60	49.74
For Cement Lining, Add	30.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0069 EA 4" x 4" Tee, Mechanical Joint Ductile Iron.....	400.77	49.74
For Cement Lining, Add	32.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0070 EA 6" x 3" Tee, Mechanical Joint Ductile Iron.....	480.27	73.04
For Cement Lining, Add	36.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.72	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0071 EA 6" x 4" Tee, Mechanical Joint Ductile Iron.....	497.62	73.04
For Cement Lining, Add	38.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0072 EA 6" x 6" Tee, Mechanical Joint Ductile Iron.....	543.87	73.04
For Cement Lining, Add	43.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.49	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0073 EA 8" x 4" Tee, Mechanical Joint Ductile Iron.....	529.29	88.58
For Cement Lining, Add	39.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0074 EA 8" x 6" Tee, Mechanical Joint Ductile Iron.....	578.70	88.58
For Cement Lining, Add	44.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.34	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0075 EA 8" x 8" Tee, Mechanical Joint Ductile Iron.....	610.15	88.58
For Cement Lining, Add	47.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0076 EA 10" x 4" Tee, Mechanical Joint Ductile Iron.....	655.36	98.41
For Cement Lining, Add	50.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0077 EA 10" x 6" Tee, Mechanical Joint Ductile Iron.....	684.65	98.41
For Cement Lining, Add	53.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.17	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0078 EA 10" x 8" Tee, Mechanical Joint Ductile Iron.....	705.57	98.41
For Cement Lining, Add	55.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0079 EA 10" x 10" Tee, Mechanical Joint Ductile Iron.....	768.34	98.41
For Cement Lining, Add	61.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.44	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0080	EA	12" x 4"	Tee, Mechanical Joint Ductile Iron	.....	805.95	114.66
			For Cement Lining, Add		63.23	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		47.42	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0081	EA	12" x 6"	Tee, Mechanical Joint Ductile Iron	.....	806.35	113.17
			For Cement Lining, Add		63.49	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		47.62	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0082	EA	12" x 8"	Tee, Mechanical Joint Ductile Iron	.....	818.93	113.17
			For Cement Lining, Add		64.75	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		48.56	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0083	EA	12" x 10"	Tee, Mechanical Joint Ductile Iron	.....	912.24	113.17
			For Cement Lining, Add		74.08	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		55.56	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0084	EA	12" x 12"	Tee, Mechanical Joint Ductile Iron	.....	999.89	113.17
			For Cement Lining, Add		82.84	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		62.13	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0085	EA	14" x 4"	Tee, Mechanical Joint Ductile Iron	.....	2,296.10	137.61
			For Cement Lining, Add		208.76	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		156.57	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0086	EA	14" x 6"	Tee, Mechanical Joint Ductile Iron	.....	2,367.22	137.61
			For Cement Lining, Add		215.88	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		161.91	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0087	EA	14" x 8"	Tee, Mechanical Joint Ductile Iron	.....	2,445.47	137.61
			For Cement Lining, Add		223.70	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		167.78	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0088	EA	14" x 10"	Tee, Mechanical Joint Ductile Iron	.....	2,520.16	137.61
			For Cement Lining, Add		231.17	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		173.38	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0089	EA	14" x 12"	Tee, Mechanical Joint Ductile Iron	.....	2,662.40	137.61
			For Cement Lining, Add		245.39	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		184.04	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0090	EA	14" x 14"	Tee, Mechanical Joint Ductile Iron	.....	2,808.23	137.61
			For Cement Lining, Add		259.98	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		194.98	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0091	EA	16" x 4"	Tee, Mechanical Joint Ductile Iron	.....	2,835.38	171.98
			For Cement Lining, Add		257.48	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		193.11	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0092	EA	16" x 6"	Tee, Mechanical Joint Ductile Iron	.....	2,902.96	171.98
			For Cement Lining, Add		264.24	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		198.18	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0093	EA	16" x 8"	Tee, Mechanical Joint Ductile Iron	.....	2,959.87	171.98
			For Cement Lining, Add		269.93	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		202.45	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0094	EA	16" x 10"	Tee, Mechanical Joint Ductile Iron	.....	3,059.45	171.98
			For Cement Lining, Add		279.89	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		209.92	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0095	EA	16" x 12"	Tee, Mechanical Joint Ductile Iron	.....	3,151.91	171.98
			For Cement Lining, Add		289.14	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		216.85	
			Note: ANSI/AWWA C151/A21.51			
33 11 13 13-0096	EA	16" x 14"	Tee, Mechanical Joint Ductile Iron	.....	3,322.62	171.98
			For Cement Lining, Add		306.21	
			Note: ANSI/AWWA C104/A21.4			
			For Bituminous Or Coal Tar Coating, 1 Mil, Add		229.66	
			Note: ANSI/AWWA C151/A21.51			

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0097 EA 16" x 16" Tee, Mechanical Joint Ductile Iron.....	3,471.99	171.98
For Cement Lining, Add	321.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0098 EA 18" x 6" Or 4" Tee, Mechanical Joint Ductile Iron	3,470.69	229.77
For Cement Lining, Add	312.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	234.19	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0099 EA 18" x 8" Tee, Mechanical Joint Ductile Iron.....	3,545.37	229.77
For Cement Lining, Add	319.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	239.79	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0100 EA 18" x 10" Tee, Mechanical Joint Ductile Iron.....	3,627.17	229.77
For Cement Lining, Add	327.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0101 EA 18" x 12" Tee, Mechanical Joint Ductile Iron.....	3,726.75	229.77
For Cement Lining, Add	337.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	253.40	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0102 EA 18" x 14" Tee, Mechanical Joint Ductile Iron.....	4,285.11	229.77
For Cement Lining, Add	393.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	295.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0103 EA 18" x 16" Tee, Mechanical Joint Ductile Iron.....	4,438.04	229.77
For Cement Lining, Add	408.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	306.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0104 EA 18" x 18" Tee, Mechanical Joint Ductile Iron.....	4,665.65	229.77
For Cement Lining, Add	431.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	323.81	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0105 EA 20" x 6" Tee, Mechanical Joint Ductile Iron.....	4,295.43	344.57
For Cement Lining, Add	377.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	283.00	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0106 EA 20" x 8" Tee, Mechanical Joint Ductile Iron.....	4,352.33	344.57
For Cement Lining, Add	383.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0107 EA 20" x 10" Tee, Mechanical Joint Ductile Iron.....	4,455.47	344.57
For Cement Lining, Add	393.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	295.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0108 EA 20" x 12" Tee, Mechanical Joint Ductile Iron.....	4,555.05	344.57
For Cement Lining, Add	403.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.47	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0109 EA 20" x 14" Tee, Mechanical Joint Ductile Iron.....	4,690.19	344.57
For Cement Lining, Add	416.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	312.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0110 EA 20" x 16" Tee, Mechanical Joint Ductile Iron.....	5,380.14	344.57
For Cement Lining, Add	485.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	364.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0111 EA 20" x 18" Tee, Mechanical Joint Ductile Iron.....	5,625.53	344.57
For Cement Lining, Add	510.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	382.76	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0112 EA 20" x 20" Tee, Mechanical Joint Ductile Iron.....	5,810.46	344.57
For Cement Lining, Add	528.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	396.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0113 EA 24" x 8" Tee, Mechanical Joint Ductile Iron.....	5,830.90	459.00
For Cement Lining, Add	513.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	385.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0114 EA 24" x 10" Tee, Mechanical Joint Ductile Iron.....	5,934.03	459.00
For Cement Lining, Add	523.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	392.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0115 EA 24" x 12" Tee, Mechanical Joint Ductile Iron.....	5,987.38	459.00
For Cement Lining, Add	529.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	396.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0116 EA 24" x 14" Tee, Mechanical Joint Ductile Iron.....	6,140.31	459.00
For Cement Lining, Add	544.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	408.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0117 EA 24" x 16" Tee, Mechanical Joint Ductile Iron.....	6,254.11	459.00
For Cement Lining, Add	555.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	416.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0118 EA 24" x 18" Tee, Mechanical Joint Ductile Iron.....	7,776.26	459.00
For Cement Lining, Add	708.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	531.06	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0119 EA 24" x 20" Tee, Mechanical Joint Ductile Iron.....	8,032.32	459.00
For Cement Lining, Add	733.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	550.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0120 EA 24" x 24" Tee, Mechanical Joint Ductile Iron.....	8,469.76	459.00
For Cement Lining, Add	777.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	583.08	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0121 EA 30" x 8" Tee, Mechanical Joint Ductile Iron.....	11,132.25	540.26
For Cement Lining, Add	1,031.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	773.52	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0122 EA 30" x 10" Tee, Mechanical Joint Ductile Iron.....	11,246.06	540.26
For Cement Lining, Add	1,042.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	782.06	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0123 EA 30" x 12" Tee, Mechanical Joint Ductile Iron.....	11,317.18	540.26
For Cement Lining, Add	1,049.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	787.39	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0124 EA 30" x 14" Tee, Mechanical Joint Ductile Iron.....	11,452.33	540.26
For Cement Lining, Add	1,063.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	797.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0125 EA 30" x 16" Tee, Mechanical Joint Ductile Iron.....	11,569.69	540.26
For Cement Lining, Add	1,075.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	806.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0126 EA 30" x 18" Tee, Mechanical Joint Ductile Iron.....	11,758.18	540.26
For Cement Lining, Add	1,093.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	820.47	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0127 EA 30" x 20" Tee, Mechanical Joint Ductile Iron.....	11,914.66	540.26
For Cement Lining, Add	1,109.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	832.20	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0128 EA 30" x 24" Tee, Mechanical Joint Ductile Iron.....	14,418.39	540.26
For Cement Lining, Add	1,359.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,019.98	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0129 EA 30" x 30" Tee, Mechanical Joint Ductile Iron.....	16,100.57	540.26
For Cement Lining, Add	1,528.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,146.15	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0130 EA 36" x 8" Tee, Mechanical Joint Ductile Iron.....	15,197.69	604.00
For Cement Lining, Add	1,428.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,071.20	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0131 EA 36" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,279.49 1,436.44 1,077.33	604.00
33 11 13 13-0132 EA 36" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,361.29 1,444.62 1,083.47	604.00
33 11 13 13-0133 EA 36" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,496.43 1,458.13 1,093.60	604.00
33 11 13 13-0134 EA 36" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,585.34 1,467.03 1,100.27	604.00
33 11 13 13-0135 EA 36" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,773.83 1,485.87 1,114.41	604.00
33 11 13 13-0136 EA 36" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,912.53 1,499.74 1,124.81	604.00
33 11 13 13-0137 EA 36" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,225.50 1,531.04 1,148.28	604.00
33 11 13 13-0138 EA 36" x 30" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	20,976.88 2,006.18 1,504.63	604.00
33 11 13 13-0139 EA 36" x 36" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,082.93 2,116.78 1,587.59	604.00
33 11 13 13-0140 EA 42" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	21,390.00 2,042.10 1,531.57	639.56
33 11 13 13-0141 EA 42" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	21,642.50 2,067.35 1,550.51	639.56
33 11 13 13-0142 EA 42" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	21,802.54 2,083.35 1,562.51	639.56
33 11 13 13-0143 EA 42" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	21,941.24 2,097.22 1,572.92	639.56
33 11 13 13-0144 EA 42" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,236.43 2,126.74 1,595.06	639.56
33 11 13 13-0145 EA 42" x 30" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	27,475.04 2,650.60 1,987.95	639.56
33 11 13 13-0146 EA 42" x 36" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	34,299.82 3,333.08 2,499.81	639.56
33 11 13 13-0147 EA 42" x 42" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	36,088.70 3,511.97 2,633.98	639.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0148 EA 48" x 12" Tee, Mechanical Joint Ductile Iron.....	28,090.88	696.30
For Cement Lining, Add	2,703.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,027.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0149 EA 48" x 14" Tee, Mechanical Joint Ductile Iron.....	28,197.57	696.30
For Cement Lining, Add	2,714.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,035.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0150 EA 48" x 16" Tee, Mechanical Joint Ductile Iron.....	28,421.62	696.30
For Cement Lining, Add	2,736.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,052.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0151 EA 48" x 18" Tee, Mechanical Joint Ductile Iron.....	28,471.41	696.30
For Cement Lining, Add	2,741.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,056.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0152 EA 48" x 20" Tee, Mechanical Joint Ductile Iron.....	28,610.11	696.30
For Cement Lining, Add	2,755.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,066.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0153 EA 48" x 24" Tee, Mechanical Joint Ductile Iron.....	28,880.40	696.30
For Cement Lining, Add	2,782.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,086.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0154 EA 48" x 30" Tee, Mechanical Joint Ductile Iron.....	30,317.20	696.30
For Cement Lining, Add	2,926.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,194.67	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0155 EA 48" x 36" Tee, Mechanical Joint Ductile Iron.....	35,808.32	696.30
For Cement Lining, Add	3,475.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,606.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0156 EA 48" x 42" Tee, Mechanical Joint Ductile Iron.....	45,090.58	696.30
For Cement Lining, Add	4,403.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,302.67	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0157 EA 48" x 48" Tee, Mechanical Joint Ductile Iron.....	46,673.19	696.30
For Cement Lining, Add	4,561.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,421.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0158 Cross, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0159 EA 4" x 3" Cross, Mechanical Joint Ductile Iron.....	366.11	62.13
For Cement Lining, Add	27.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.40	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0160 EA 4" x 4" Cross, Mechanical Joint Ductile Iron.....	527.62	62.13
For Cement Lining, Add	43.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0161 EA 6" x 3" Cross, Mechanical Joint Ductile Iron.....	632.83	103.57
For Cement Lining, Add	47.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0162 EA 6" x 4" Cross, Mechanical Joint Ductile Iron.....	658.12	103.57
For Cement Lining, Add	50.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0163 EA 6" x 6" Cross, Mechanical Joint Ductile Iron.....	683.39	103.57
For Cement Lining, Add	52.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.49	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0164 EA 8" x 4" Cross, Mechanical Joint Ductile Iron.....	660.92	119.09
For Cement Lining, Add	48.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.03	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0165 EA 8" x 6" Cross, Mechanical Joint Ductile Iron.....	768.70	119.09
For Cement Lining, Add	58.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0166 EA 8" x 8" Cross, Mechanical Joint Ductile Iron.....	865.91	119.09
For Cement Lining, Add	68.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0167 EA 10" x 4" Cross, Mechanical Joint Ductile Iron.....	847.34	131.20
For Cement Lining, Add	64.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0168 EA 10" x 6" Cross, Mechanical Joint Ductile Iron.....	847.34	131.20
For Cement Lining, Add	64.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0169 EA 10" x 8" Cross, Mechanical Joint Ductile Iron.....	904.14	131.20
For Cement Lining, Add	70.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0170 EA 10" x 10" Cross, Mechanical Joint Ductile Iron.....	1,049.85	131.20
For Cement Lining, Add	85.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.83	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0171 EA 12" x 4" Cross, Mechanical Joint Ductile Iron.....	968.39	147.61
For Cement Lining, Add	74.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0172 EA 12" x 6" Cross, Mechanical Joint Ductile Iron.....	1,043.72	147.61
For Cement Lining, Add	82.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0173 EA 12" x 8" Cross, Mechanical Joint Ductile Iron.....	1,072.99	147.61
For Cement Lining, Add	84.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0174 EA 12" x 10" Cross, Mechanical Joint Ductile Iron.....	1,236.19	147.61
For Cement Lining, Add	101.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.94	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0175 EA 12" x 12" Cross, Mechanical Joint Ductile Iron.....	1,291.99	147.61
For Cement Lining, Add	106.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0176 EA 14" x 4" Cross, Mechanical Joint Ductile Iron.....	2,519.23	172.21
For Cement Lining, Add	225.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0177 EA 14" x 6" Cross, Mechanical Joint Ductile Iron.....	2,636.59	172.21
For Cement Lining, Add	237.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.18	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0178 EA 14" x 8" Cross, Mechanical Joint Ductile Iron.....	2,768.18	172.21
For Cement Lining, Add	250.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	188.05	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0179 EA 14" x 10" Cross, Mechanical Joint Ductile Iron.....	2,960.23	172.21
For Cement Lining, Add	269.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	202.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0180 EA 14" x 12" Cross, Mechanical Joint Ductile Iron.....	3,180.72	172.21
For Cement Lining, Add	291.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	218.99	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0181 EA 14" x 14" Cross, Mechanical Joint Ductile Iron.....	3,475.91	172.21
For Cement Lining, Add	321.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	241.13	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0182 EA 16" x 4" Cross, Mechanical Joint Ductile Iron	2,144.62	206.65
<i>For Cement Lining, Add</i>	183.16	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	137.37	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0183 EA 16" x 6" Cross, Mechanical Joint Ductile Iron	3,154.64	206.65
<i>For Cement Lining, Add</i>	284.16	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	213.12	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0184 EA 16" x 8" Cross, Mechanical Joint Ductile Iron	3,307.57	206.65
<i>For Cement Lining, Add</i>	299.45	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	224.59	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0185 EA 16" x 10" Cross, Mechanical Joint Ductile Iron	3,506.73	206.65
<i>For Cement Lining, Add</i>	319.37	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	239.53	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0186 EA 16" x 12" Cross, Mechanical Joint Ductile Iron	3,698.78	206.65
<i>For Cement Lining, Add</i>	338.57	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	253.93	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0187 EA 16" x 14" Cross, Mechanical Joint Ductile Iron	3,993.96	206.65
<i>For Cement Lining, Add</i>	368.09	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	276.07	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0188 EA 16" x 16" Cross, Mechanical Joint Ductile Iron	4,260.69	206.65
<i>For Cement Lining, Add</i>	394.76	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	296.07	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0189 EA 18" x 6" Cross, Mechanical Joint Ductile Iron	3,726.20	262.26
<i>For Cement Lining, Add</i>	332.88	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	249.66	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0190 EA 18" x 8" Cross, Mechanical Joint Ductile Iron	3,875.57	262.26
<i>For Cement Lining, Add</i>	347.82	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	260.86	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0191 EA 18" x 10" Cross, Mechanical Joint Ductile Iron	4,039.17	262.26
<i>For Cement Lining, Add</i>	364.18	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	273.13	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0192 EA 18" x 12" Cross, Mechanical Joint Ductile Iron	4,241.88	262.26
<i>For Cement Lining, Add</i>	384.45	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	288.34	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0193 EA 18" x 14" Cross, Mechanical Joint Ductile Iron	4,974.51	262.26
<i>For Cement Lining, Add</i>	457.71	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	343.28	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0194 EA 18" x 16" Cross, Mechanical Joint Ductile Iron	5,280.36	262.26
<i>For Cement Lining, Add</i>	488.30	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	366.22	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0195 EA 18" x 18" Cross, Mechanical Joint Ductile Iron	5,714.24	262.26
<i>For Cement Lining, Add</i>	531.69	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	398.76	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0196 EA 20" x 6" Cross, Mechanical Joint Ductile Iron	4,516.22	354.11
<i>For Cement Lining, Add</i>	397.96	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	298.47	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0197 EA 20" x 8" Cross, Mechanical Joint Ductile Iron	4,676.26	354.11
<i>For Cement Lining, Add</i>	413.97	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	310.48	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0198 EA 20" x 10" Cross, Mechanical Joint Ductile Iron	4,832.74	354.11
<i>For Cement Lining, Add</i>	429.62	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	322.21	
<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0199 EA 20" x 12" Cross, Mechanical Joint Ductile Iron.....	5,039.01	354.11
For Cement Lining, Add	450.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	337.68	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0200 EA 20" x 14" Cross, Mechanical Joint Ductile Iron.....	5,312.86	354.11
For Cement Lining, Add	477.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	358.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0201 EA 20" x 16" Cross, Mechanical Joint Ductile Iron.....	6,162.84	354.11
For Cement Lining, Add	562.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	421.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0202 EA 20" x 18" Cross, Mechanical Joint Ductile Iron.....	6,614.51	354.11
For Cement Lining, Add	607.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	455.84	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0203 EA 20" x 20" Cross, Mechanical Joint Ductile Iron.....	6,998.60	354.11
For Cement Lining, Add	646.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	484.65	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0204 EA 24" x 8" Cross, Mechanical Joint Ductile Iron.....	6,107.29	467.73
For Cement Lining, Add	539.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	404.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0205 EA 24" x 10" Cross, Mechanical Joint Ductile Iron.....	6,313.56	467.73
For Cement Lining, Add	560.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	420.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0206 EA 24" x 12" Cross, Mechanical Joint Ductile Iron.....	6,448.71	467.73
For Cement Lining, Add	574.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	430.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0207 EA 24" x 14" Cross, Mechanical Joint Ductile Iron.....	6,729.67	467.73
For Cement Lining, Add	602.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	451.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0208 EA 24" x 16" Cross, Mechanical Joint Ductile Iron.....	6,967.95	467.73
For Cement Lining, Add	625.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	469.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0209 EA 24" x 18" Cross, Mechanical Joint Ductile Iron.....	8,859.96	467.73
For Cement Lining, Add	815.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	611.35	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0210 EA 24" x 20" Cross, Mechanical Joint Ductile Iron.....	9,286.74	467.73
For Cement Lining, Add	857.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	643.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0211 EA 24" x 24" Cross, Mechanical Joint Ductile Iron.....	10,122.50	467.73
For Cement Lining, Add	941.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	706.04	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0212 EA 30" x 8" Cross, Mechanical Joint Ductile Iron.....	11,631.17	639.56
For Cement Lining, Add	1,066.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	799.66	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0213 EA 30" x 10" Cross, Mechanical Joint Ductile Iron.....	11,759.20	639.56
For Cement Lining, Add	1,079.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	809.26	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0214 EA 30" x 12" Cross, Mechanical Joint Ductile Iron.....	11,947.69	639.56
For Cement Lining, Add	1,097.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	823.40	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0215 EA 30" x 14" Cross, Mechanical Joint Ductile Iron.....	12,217.98	639.56
For Cement Lining, Add	1,124.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	843.67	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Piping	33 11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0216 EA 30" x 16" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,463.37 1,149.44 862.08	639.56
33 11 13 13-0217 EA 30" x 18" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,833.24 1,186.42 889.82	639.56
33 11 13 13-0218 EA 30" x 20" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,163.99 1,219.50 914.62	639.56
33 11 13 13-0219 EA 30" x 24" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,151.38 1,518.24 1,138.68	639.56
33 11 13 13-0220 EA 30" x 30" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,540.66 1,857.17 1,392.87	639.56
33 11 13 13-0221 EA 36" x 8" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,610.76 1,454.58 1,090.93	702.93
33 11 13 13-0222 EA 36" x 10" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,801.29 1,473.43 1,105.07	704.27
33 11 13 13-0223 EA 36" x 12" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,966.41 1,490.14 1,117.61	702.93
33 11 13 13-0224 EA 36" x 14" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,211.80 1,514.68 1,136.01	702.93
33 11 13 13-0225 EA 36" x 16" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,435.86 1,537.09 1,152.82	702.93
33 11 13 13-0226 EA 36" x 18" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,784.38 1,571.94 1,178.95	702.93
33 11 13 13-0227 EA 36" x 20" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,086.68 1,602.17 1,201.63	702.93
33 11 13 13-0228 EA 36" x 24" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,694.83 1,662.98 1,247.24	702.93
33 11 13 13-0229 EA 36" x 30" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,146.18 2,308.12 1,731.09	702.93
33 11 13 13-0230 EA 36" x 36" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,386.73 2,532.17 1,899.13	702.93
33 11 13 13-0231 EA 42" x 12" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,021.59 2,090.11 1,567.58	739.53
33 11 13 13-0232 EA 42" x 16" Cross, Mechanical Joint Ductile Iron For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,494.60 2,137.41 1,603.06	739.53

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0233 EA 42" x 18" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,814.68 2,169.42 1,627.06	739.53
33 11 13 13-0234 EA 42" x 20" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,124.09 2,200.36 1,650.27	739.53
33 11 13 13-0235 EA 42" x 24" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,707.34 2,258.69 1,694.01	739.53
33 11 13 13-0236 EA 42" x 30" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,503.67 2,938.32 2,203.74	739.53
33 11 13 13-0237 EA 42" x 36" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,391.82 3,727.13 2,795.35	739.53
33 11 13 13-0238 EA 42" x 42" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,966.02 4,084.55 3,063.41	739.53
33 11 13 13-0239 EA 48" x 12" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,846.20 2,750.54 2,062.90	884.90
33 11 13 13-0240 EA 48" x 14" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,006.24 2,766.54 2,074.91	884.90
33 11 13 13-0241 EA 48" x 16" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,294.31 2,795.35 2,096.51	884.90
33 11 13 13-0242 EA 48" x 18" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,617.95 2,827.71 2,120.78	884.90
33 11 13 13-0243 EA 48" x 20" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,898.91 2,855.81 2,141.86	884.90
33 11 13 13-0244 EA 48" x 24" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,467.93 2,912.71 2,184.53	884.90
33 11 13 13-0245 EA 48" x 30" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,316.63 3,197.58 2,398.19	884.90
33 11 13 13-0246 EA 48" x 36" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,714.64 3,837.38 2,878.04	884.90
33 11 13 13-0247 EA 48" x 42" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	50,447.93 4,910.71 3,683.03	884.90
33 11 13 13-0248 EA 48" x 48" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	53,552.68 5,221.19 3,915.89	884.90

33 11 13 13-0249 Mechanical Joint x Mechanical Joint Reducers, Ductile Iron (33 11 13 13-0002)



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0250	EA	6" x 3" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	259.11 19.24 14.43	47.08
33 11 13 13-0251	EA	6" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	267.74 19.24 14.43	49.74
33 11 13 13-0252	EA	8" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	314.19 22.00 16.50	62.77
33 11 13 13-0253	EA	8" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	335.87 24.17 18.13	62.77
33 11 13 13-0254	EA	10" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	350.20 25.11 18.83	65.46
33 11 13 13-0255	EA	10" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	375.30 27.62 20.71	65.46
33 11 13 13-0256	EA	10" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	404.58 30.54 22.91	65.46
33 11 13 13-0257	EA	12" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	446.82 33.05 24.79	76.78
33 11 13 13-0258	EA	12" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	463.57 34.73 26.05	76.78
33 11 13 13-0259	EA	12" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	488.68 37.24 27.93	76.78
33 11 13 13-0260	EA	12" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	526.31 41.00 30.75	76.78
33 11 13 13-0261	EA	14" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,129.81 99.94 74.95	86.11
33 11 13 13-0262	EA	14" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,229.39 109.89 82.42	86.11
33 11 13 13-0263	EA	14" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,321.85 119.14 89.36	86.11
33 11 13 13-0264	EA	14" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,446.33 131.59 98.69	86.11
33 11 13 13-0265	EA	16" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,333.39 118.43 88.82	98.41
33 11 13 13-0266	EA	16" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,432.97 128.39 96.29	98.41

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0267 EA 16" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,571.67 142.26 106.69	98.41
33 11 13 13-0268 EA 16" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,699.70 155.06 116.30	98.41
33 11 13 13-0269 EA 16" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,877.52 172.84 129.63	98.41
33 11 13 13-0270 EA 18" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,826.88 161.82 121.36	137.77
33 11 13 13-0271 EA 18" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,969.14 176.04 132.03	137.77
33 11 13 13-0272 EA 18" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,097.17 188.85 141.63	137.77
33 11 13 13-0273 EA 18" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,274.99 206.63 154.97	137.77
33 11 13 13-0274 EA 18" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,449.26 224.06 168.04	137.77
33 11 13 13-0275 EA 20" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,273.84 201.29 150.97	172.21
33 11 13 13-0276 EA 20" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,419.65 215.88 161.91	172.21
33 11 13 13-0277 EA 20" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,572.58 231.17 173.38	172.21
33 11 13 13-0278 EA 20" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,778.85 251.80 188.85	172.21
33 11 13 13-0279 EA 20" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,034.91 277.40 208.05	172.21
33 11 13 13-0280 EA 24" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,228.19 288.07 216.05	229.31
33 11 13 13-0281 EA 24" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,381.12 303.36 227.52	229.31
33 11 13 13-0282 EA 24" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,580.28 323.28 242.46	229.31
33 11 13 13-0283 EA 24" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,857.68 351.02 263.26	229.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0284 EA 24" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	4,081.73 373.42 280.07	229.31
33 11 13 13-0285 EA 30" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,315.53 594.28 445.71	246.01
33 11 13 13-0286 EA 30" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,632.06 625.93 469.45	246.01
33 11 13 13-0287 EA 30" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,236.65 686.39 514.79	246.01
33 11 13 13-0288 EA 36" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,708.96 832.20 624.15	255.41
33 11 13 13-0289 EA 36" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9,377.57 899.06 674.30	255.41
33 11 13 13-0290 EA 36" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,436.74 1,104.98 828.74	255.41
33 11 13 13-0291 EA 42" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,586.02 1,113.87 835.40	295.21
33 11 13 13-0292 EA 42" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,396.89 1,194.96 896.22	295.21
33 11 13 13-0293 EA 42" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	14,584.09 1,413.68 1,060.26	295.21
33 11 13 13-0294 EA 42" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,291.17 1,584.39 1,188.29	295.21
33 11 13 13-0295 EA 48" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	17,838.31 1,736.25 1,302.18	314.08
33 11 13 13-0296 EA 48" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	19,744.56 1,926.87 1,445.15	314.08
33 11 13 13-0297 EA 48" x 42" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,180.71 2,170.49 1,627.86	314.08
33 11 13 13-0298 EA 54" x 48" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	25,339.81 2,483.66 1,862.75	332.12
33 11 13 13-0299 Mechanical Joint x Plain End Offsets, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0300 EA 4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	769.25 59.66 44.75	113.92

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0301 EA 4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	793.22	113.92
For Cement Lining, Add	62.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.55	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0302 EA 6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	950.28	142.40
For Cement Lining, Add	73.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0303 EA 6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,049.15	142.40
For Cement Lining, Add	83.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0304 EA 6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,173.28	142.40
For Cement Lining, Add	95.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.81	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0305 EA 8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,221.83	162.72
For Cement Lining, Add	97.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.14	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0306 EA 8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,470.22	162.72
For Cement Lining, Add	122.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.77	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0307 EA 8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,578.59	162.72
For Cement Lining, Add	133.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0308 EA 10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,619.69	189.87
For Cement Lining, Add	133.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0309 EA 10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,972.20	189.87
For Cement Lining, Add	168.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.34	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0310 EA 10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,274.49	189.87
For Cement Lining, Add	198.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0311 EA 12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,352.99	207.13
For Cement Lining, Add	203.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.94	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0312 EA 12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,618.96	207.13
For Cement Lining, Add	230.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0313 EA 12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	3,133.36	207.13
For Cement Lining, Add	281.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.46	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0314 EA 14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	3,962.50	227.84
For Cement Lining, Add	361.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.30	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0315 EA 14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	5,026.41	227.84
For Cement Lining, Add	468.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	351.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0316 EA 14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,871.99	227.84
For Cement Lining, Add	252.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	189.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0317 EA 16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,334.07	253.18
For Cement Lining, Add	195.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.29	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0318 EA 16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,954.68 257.11 192.83	253.18
33 11 13 13-0319 EA 16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,442.31 305.87 229.41	253.18
33 11 13 13-0320 Mechanical Joint Caps, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0321 EA 4" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	227.70 11.26 8.45	75.94
33 11 13 13-0322 EA 6" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	294.03 15.02 11.26	94.94
33 11 13 13-0323 EA 8" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	360.46 19.61 14.71	108.51
33 11 13 13-0324 EA 10" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	507.17 25.87 19.40	164.01
33 11 13 13-0325 EA 12" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	596.50 32.54 24.41	178.92
33 11 13 13-0326 EA 14" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	936.55 63.84 47.88	196.82
33 11 13 13-0327 EA 16" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,193.10 86.18 64.63	218.65
33 11 13 13-0328 EA 18" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,578.51 120.58 90.43	246.01
33 11 13 13-0329 EA 20" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,830.36 140.44 105.33	281.13
33 11 13 13-0330 EA 24" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,529.06 203.21 152.40	328.02
33 11 13 13-0331 EA 30" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,568.53 397.21 297.91	393.62
33 11 13 13-0332 EA 36" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,404.59 565.91 424.43	492.03
33 11 13 13-0333 EA 42" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,441.32 854.67 641.00	590.43
33 11 13 13-0334 EA 48" Mechanical Joint Cap, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,342.34 1,134.84 851.13	656.04

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0335 EA 54" Mechanical Joint Cap, Ductile Iron	14,772.08	738.04
For Cement Lining, Add	1,365.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,024.04	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0336 Mechanical Joint x Mechanical Joint Solid Sleeves, Ductile Irons (33 11 13 13-0002)		
33 11 13 13-0337 EA 4" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	434.08	113.92
For Cement Lining, Add	26.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0338 EA 6" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	515.86	142.40
For Cement Lining, Add	30.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0339 EA 8" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	638.79	162.72
For Cement Lining, Add	39.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0340 EA 10" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	883.81	246.01
For Cement Lining, Add	51.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0341 EA 12" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,045.46	268.37
For Cement Lining, Add	63.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0342 EA 14" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,487.25	295.21
For Cement Lining, Add	104.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.00	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0343 EA 16" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,750.88	328.02
For Cement Lining, Add	125.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.04	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0344 EA 18" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	2,193.32	369.02
For Cement Lining, Add	163.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	122.57	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0345 EA 20" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	2,501.99	421.72
For Cement Lining, Add	186.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.72	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0346 EA 24" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	3,193.82	492.03
For Cement Lining, Add	244.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	183.62	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0347 EA 30" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	6,896.56	590.43
For Cement Lining, Add	600.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	450.15	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0348 EA 36" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	9,006.97	738.04
For Cement Lining, Add	788.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	591.65	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0349 EA 42" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	10,457.77	842.48
For Cement Lining, Add	918.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	688.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0350 EA 48" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	12,582.76	984.05
For Cement Lining, Add	1,109.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	831.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0351 EA 54" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	14,545.50	1,082.45
For Cement Lining, Add	1,290.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	967.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0352 Flanged End x Mechanical Joint Adapters, Ductile Iron (33 11 13 13-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0353 EA 4" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	428.14 25.55 19.16	113.92
33 11 13 13-0354 EA 6" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	548.54 33.28 24.96	142.40
33 11 13 13-0355 EA 8" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	692.27 44.57 33.43	162.72
33 11 13 13-0356 EA 10" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	961.06 58.83 44.12	246.01
33 11 13 13-0357 EA 12" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,143.51 73.69 55.27	268.37
33 11 13 13-0358 EA 14" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,487.25 104.00 78.00	295.21
33 11 13 13-0359 EA 16" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,756.82 125.98 94.49	328.02
33 11 13 13-0360 EA 18" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,196.29 163.72 122.79	369.02
33 11 13 13-0361 EA 20" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,570.33 193.13 144.85	421.72
33 11 13 13-0362 EA 24" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,271.07 252.56 189.42	492.03
33 11 13 13-0363 EA 30" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,109.18 521.46 391.09	590.43
33 11 13 13-0364 EA 36" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,972.97 685.47 514.10	738.04
33 11 13 13-0365 EA 42" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,560.25 928.23 696.17	843.45
33 11 13 13-0366 EA 48" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,856.12 1,136.51 852.38	984.05
33 11 13 13-0367 EA 54" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,041.75 1,340.16 1,005.12	1,082.45
33 11 13 13-0368 Mechanical Joint x Push-On Joint Adapters, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0369 EA 4" Mechanical Joint x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	411.99 23.94 17.95	113.92

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0370 EA 6" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	503.90	142.40
For Cement Lining, Add	28.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0371 EA 8" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	667.71	162.72
For Cement Lining, Add	42.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0372 EA 10" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	926.87	246.01
For Cement Lining, Add	55.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0373 EA 12" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,138.07	268.37
For Cement Lining, Add	73.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0374 EA 14" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,356.05	295.21
For Cement Lining, Add	90.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.16	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0375 EA 16" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,605.24	328.02
For Cement Lining, Add	110.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0376 EA 18" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,889.00	369.02
For Cement Lining, Add	132.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0377 EA 20" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	2,234.86	421.72
For Cement Lining, Add	159.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0378 EA 24" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	2,851.14	492.03
For Cement Lining, Add	210.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.92	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0379 EA 30" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	4,648.41	590.43
For Cement Lining, Add	375.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.54	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0380 EA 36" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	6,286.17	738.04
For Cement Lining, Add	516.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0381 EA 42" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	7,935.71	842.48
For Cement Lining, Add	665.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	499.44	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0382 EA 48" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	9,924.23	984.05
For Cement Lining, Add	843.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	632.49	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0383 EA 54" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	11,926.14	1,082.45
For Cement Lining, Add	1,028.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	771.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0384 Pipe And Fitting Restraints, Mechanical Joint Ductile Iron (Megalug 1100)⁽³³⁾		
<small>11 13 13-0002</small>		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 11 13 13-0385 EA 4" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100).....	125.58	58.45
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.78	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0386 EA 6" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100).....	152.76	72.34
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0387 EA 8" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100).....	194.35	84.42
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.99	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0388 EA 10" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	284.81 7.38	123.01
33 11 13 13-0389 EA 12" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	356.13 10.73	140.60
33 11 13 13-0390 EA 14" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	411.88 13.69	151.33
33 11 13 13-0391 EA 16" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	509.59 19.58	164.01
33 11 13 13-0392 EA 18" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	668.07 27.74	196.82
33 11 13 13-0393 EA 20" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	788.74 34.31	218.58
33 11 13 13-0394 EA 24" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	921.52 40.45	252.20
33 11 13 13-0395 EA 30" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,915.85 109.32	302.44
33 11 13 13-0396 EA 36" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,438.62 139.89	378.49
33 11 13 13-0397 EA 42" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,515.87 214.06	436.71
33 11 13 13-0398 EA 48" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,664.79 286.03	561.66
33 11 13 13-0399 EA 54" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,852.19 364.37	656.04
33 11 13 13-0400 Push-On Joint Ductile Iron Piping (33 11 13 13-0001)		
33 11 13 13-0401 Push-On Joint Ductile Iron Pipe (33 11 13 13-0400) <i>Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.</i>		
33 11 13 13-0402 LF 4" Push-On Joint Ductile Iron Pipe..... <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	20.59 7.55 1.08 0.81 -1.03 1.01 2.18 3.31 4.45 5.55 6.93	6.47
33 11 13 13-0403 LF 6" Push-On Joint Ductile Iron Pipe..... <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	26.54 11.05 1.58 1.18 -1.33 1.44 3.11 4.71 6.33 7.89 9.87	7.14
33 11 13 13-0404 LF 8" Push-On Joint Ductile Iron Pipe..... <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	34.14 15.66 2.24 1.68 -1.71 1.99 4.31 6.54 8.79 10.97 13.72	7.85

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0405	LF	10" Push-On Joint Ductile Iron Pipe.....	46.28	11.11
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.71	
			For Cement Lining, Add	2.95	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.21	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.31	
			For Class 51, Add	2.64	
			For Class 52, Add	5.72	
			For Class 53, Add	8.68	
			For Class 54, Add	11.66	
			For Class 55, Add	14.54	
			For Class 56, Add	18.20	
33 11 13	13-0406	LF	12" Push-On Joint Ductile Iron Pipe.....	56.22	12.30
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.80	
			For Cement Lining, Add	3.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.82	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.81	
			For Class 51, Add	3.33	
			For Class 52, Add	7.22	
			For Class 53, Add	10.95	
			For Class 54, Add	14.72	
			For Class 55, Add	18.36	
			For Class 56, Add	22.97	
33 11 13	13-0407	LF	14" Push-On Joint Ductile Iron Pipe.....	68.04	13.86
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.72	
			For Cement Lining, Add	4.71	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.53	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.40	
			For Class 51, Add	4.14	
			For Class 52, Add	8.98	
			For Class 53, Add	13.63	
			For Class 54, Add	18.32	
			For Class 55, Add	22.85	
			For Class 56, Add	28.60	
33 11 13	13-0408	LF	16" Push-On Joint Ductile Iron Pipe.....	79.30	15.80
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.70	
			For Cement Lining, Add	5.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.97	
			For Class 51, Add	4.86	
			For Class 52, Add	10.55	
			For Class 53, Add	16.00	
			For Class 54, Add	21.50	
			For Class 55, Add	26.82	
			For Class 56, Add	33.58	
33 11 13	13-0409	LF	18" Push-On Joint Ductile Iron Pipe.....	91.59	18.49
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.09	
			For Cement Lining, Add	6.36	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.77	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.58	
			For Class 51, Add	5.60	
			For Class 52, Add	12.13	
			For Class 53, Add	18.41	
			For Class 54, Add	24.73	
			For Class 55, Add	30.85	
			For Class 56, Add	38.62	
33 11 13	13-0410	LF	20" Push-On Joint Ductile Iron Pipe.....	106.13	22.14
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.58	
			For Cement Lining, Add	7.26	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.44	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.31	
			For Class 51, Add	6.40	
			For Class 52, Add	13.88	
			For Class 53, Add	21.06	
			For Class 54, Add	28.29	
			For Class 55, Add	35.29	
			For Class 56, Add	44.18	



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Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0411 LF 24" Push-On Joint Ductile Iron Pipe.....	133.43	27.66
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.35	
For Cement Lining, Add	9.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.86	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.67	
For Class 51, Add	8.07	
For Class 52, Add	17.48	
For Class 53, Add	26.53	
For Class 54, Add	35.64	
For Class 55, Add	44.45	
For Class 56, Add	55.65	
33 11 13 13-0412 LF 30" Push-On Joint Ductile Iron Pipe.....	164.12	29.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.01	
For Cement Lining, Add	11.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.21	
For Class 51, Add	10.40	
For Class 52, Add	22.57	
For Class 53, Add	34.25	
For Class 54, Add	46.02	
For Class 55, Add	57.40	
For Class 56, Add	71.88	
33 11 13 13-0413 LF 36" Push-On Joint Ductile Iron Pipe.....	204.73	31.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.72	
For Cement Lining, Add	15.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.79	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.24	
For Class 51, Add	13.55	
For Class 52, Add	29.43	
For Class 53, Add	44.66	
For Class 54, Add	60.01	
For Class 55, Add	74.85	
For Class 56, Add	93.78	
33 11 13 13-0414 LF 42" Push-On Joint Ductile Iron Pipe.....	250.73	33.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	62.13	
For Cement Lining, Add	20.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.03	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.54	
For Class 51, Add	17.15	
For Class 52, Add	37.27	
For Class 53, Add	56.57	
For Class 54, Add	76.01	
For Class 55, Add	94.80	
For Class 56, Add	118.81	
33 11 13 13-0415 LF 48" Push-On Joint Ductile Iron Pipe.....	303.01	35.04
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	77.45	
For Cement Lining, Add	24.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.15	
For Class 51, Add	21.27	
For Class 52, Add	46.22	
For Class 53, Add	70.16	
For Class 54, Add	94.28	
For Class 55, Add	117.59	
For Class 56, Add	147.40	
33 11 13 13-0416 LF 54" Push-On Joint Ductile Iron Pipe.....	385.95	36.90
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	102.31	
For Cement Lining, Add	33.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.75	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.30	
For Class 51, Add	27.91	
For Class 52, Add	60.70	
For Class 53, Add	92.14	
For Class 54, Add	123.82	
For Class 55, Add	154.43	
For Class 56, Add	193.64	
33 11 13 13-0417 Elbow, Push-On Joint Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0418 EA 4" Elbow, Push-On Joint Ductile Iron.....	179.55	25.26
For Cement Lining, Add	14.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.60	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0419 EA 6" Elbow, Push-On Joint Ductile Iron.....	260.13	37.27
For Cement Lining, Add	20.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0420 EA 8" Elbow, Push-On Joint Ductile Iron.....	349.56	44.25
For Cement Lining, Add	28.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.19	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0421 EA 10" Elbow, Push-On Joint Ductile Iron.....	528.49	49.05
For Cement Lining, Add	42.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0422 EA 12" Elbow, Push-On Joint Ductile Iron.....	683.92	57.55
For Cement Lining, Add	56.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0423 EA 14" Elbow, Push-On Joint Ductile Iron.....	1,372.55	64.56
For Cement Lining, Add	123.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0424 EA 16" Elbow, Push-On Joint Ductile Iron.....	1,551.34	73.81
For Cement Lining, Add	139.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0425 EA 18" Elbow, Push-On Joint Ductile Iron.....	2,421.00	103.32
For Cement Lining, Add	220.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0426 Tee, Push-On Joint Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0427 EA 4" Tee, Push-On Joint Ductile Iron.....	274.93	37.27
For Cement Lining, Add	21.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0428 EA 6" Tee, Push-On Joint Ductile Iron.....	381.91	54.76
For Cement Lining, Add	29.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0429 EA 8" Tee, Push-On Joint Ductile Iron.....	524.40	66.38
For Cement Lining, Add	42.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.78	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0430 EA 10" Tee, Push-On Joint Ductile Iron.....	778.62	74.55
For Cement Lining, Add	66.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0431 EA 12" Tee, Push-On Joint Ductile Iron.....	971.34	85.95
For Cement Lining, Add	84.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0432 EA 14" Tee, Push-On Joint Ductile Iron.....	1,574.98	103.32
For Cement Lining, Add	141.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0433 EA 16" Tee, Push-On Joint Ductile Iron.....	2,282.56	129.20
For Cement Lining, Add	208.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.52	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0434 EA 18" Tee, Push-On Joint Ductile Iron.....	3,583.83	172.36
For Cement Lining, Add	332.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	249.20	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0435 Flanged End x Push-On Joint Adapters, Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0436 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron.....	377.91	87.63
For Cement Lining, Add	24.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.38	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0437 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	461.51 29.71 22.28	108.51
33 11 13 13-0438 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	618.90 42.71 32.03	126.55
33 11 13 13-0439 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	836.67 55.71 41.78	184.51
33 11 13 13-0440 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,025.17 70.57 52.93	210.90
33 11 13 13-0441 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,198.31 85.42 64.07	227.08
33 11 13 13-0442 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,449.84 107.71 80.78	246.01
33 11 13 13-0443 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,710.09 126.28 94.71	295.21
33 11 13 13-0444 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,001.21 150.42 112.82	328.02
33 11 13 13-0445 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,541.92 196.85 147.64	378.49
33 11 13 13-0446 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,221.00 353.29 264.96	454.15
33 11 13 13-0447 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,900.95 504.08 378.06	567.69
33 11 13 13-0448 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,521.14 652.72 489.54	656.04
33 11 13 13-0449 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,593.10 831.51 623.63	843.45
33 11 13 13-0450 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,696.24 1,020.49 765.36	984.28
33 11 13 13-0451 Pipe And Fitting Restraints, Push-On Joint Ductile Iron <small>(33 11 13 13-0400)</small> <i>Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.</i>		
33 11 13 13-0452 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	35.77	9.50
33 11 13 13-0453 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	40.42	9.50
33 11 13 13-0454 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	53.54	13.42
33 11 13 13-0455 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	65.24	14.76
33 11 13 13-0456 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	78.32	16.40
33 11 13 13-0457 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	100.30	18.41
33 11 13 13-0458 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.75	21.09
33 11 13 13-0459 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	137.09	24.60
33 11 13 13-0460 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	159.46	29.52
33 11 13 13-0461 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	192.25	29.52
33 11 13 13-0462 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	255.69	36.90
33 11 13 13-0463 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	331.83	36.90

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0464	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	425.74	49.20
33 11 13 13-0465	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	493.40	49.20
33 11 13 13-0466	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	680.65	49.20
33 11 13 13-0467			Bell Restraint Harness, Ductile Iron (Megalug 1700) <small>(33 11 13 13-0400)</small>		
33 11 13 13-0468	EA		4" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	129.83	50.32
33 11 13 13-0469	EA		6" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	167.63	61.43
33 11 13 13-0470	EA		8" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	212.98	74.92
33 11 13 13-0471	EA		10" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	306.57	91.40
33 11 13 13-0472	EA		12" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	379.03	111.45
33 11 13 13-0473	EA		14" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	615.68	135.98
33 11 13 13-0474	EA		16" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	710.10	165.95
33 11 13 13-0475	EA		18" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	815.69	202.40
33 11 13 13-0476	EA		20" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,089.57	246.98
33 11 13 13-0477	EA		24" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,380.62	301.26
33 11 13 13-0478	EA		30" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	2,280.06	367.60
33 11 13 13-0479	EA		36" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	3,185.86	448.42
33 11 13 13-0480	EA		42" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	5,606.64	547.12
33 11 13 13-0481	EA		48" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	7,226.03	667.44
33 11 13 13-0482			Ductile Iron Pipe Repair <small>(33 11 13 13-0001)</small>		
			See CSI section 33 11 13 13-0002 for mechanical joint fittings.		
33 11 13 13-0483			Ductile Iron Pipe Repair <small>(33 11 13 13-0482)</small>		
			Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 11 13 13-0484	EA		30" Diameter Mechanical Ductile Iron Push Joint	2,681.02	
33 11 13 13-0485	EA		36" Diameter Mechanical Ductile Iron Push Joint	3,422.62	
33 11 13 13-0486	EA		42" Diameter Mechanical Ductile Iron Push Joint	4,387.04	
33 11 13 13-0487	EA		48" Diameter Mechanical Ductile Iron Push Joint	5,522.76	
33 11 13 13-0488	EA		54" Diameter Mechanical Ductile Iron Push Joint	8,060.81	
33 11 13 13-0489			WEKO Seals <small>(33 11 13 13-0482)</small>		
			Note: Internal joint seal.		
33 11 13 13-0490	EA		16" WEKO Internal Joint Seal	725.86	139.23
			<i>For Extra Wide Seals, Add</i>	80.55	
33 11 13 13-0491	EA		20" WEKO Internal Joint Seal	818.60	154.80
			<i>For Extra Wide Seals, Add</i>	81.73	
33 11 13 13-0492	EA		24" WEKO Internal Joint Seal	869.80	167.19
			<i>For Extra Wide Seals, Add</i>	82.67	
33 11 13 13-0493	EA		30" WEKO Internal Joint Seal	903.47	179.57
			<i>For Extra Wide Seals, Add</i>	83.60	
33 11 13 13-0494	EA		36" WEKO Internal Joint Seal	953.23	195.06
			<i>For Extra Wide Seals, Add</i>	84.78	
33 11 13 13-0495	EA		42" WEKO Internal Joint Seal	1,020.84	213.63
			<i>For Extra Wide Seals, Add</i>	86.18	
33 11 13 13-0496	EA		48" WEKO Internal Joint Seal	1,101.29	229.11
			<i>For Extra Wide Seals, Add</i>	87.36	
33 11 13 13-0497	EA		54" WEKO Internal Joint Seal	1,145.50	241.49
			<i>For Extra Wide Seals, Add</i>	88.30	
33 11 13 13-0498	EA		60" WEKO Internal Joint Seal	1,200.84	260.07
			<i>For Extra Wide Seals, Add</i>	89.70	
33 11 13 23			Plastic Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 23-0001			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 11 13 23)</small>		
33 11 13 23-0002			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0003	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.58	0.58
			<i>For >1,000, Deduct</i>	-0.08	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.03	
33 11 13 23-0004	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.73	0.63
			<i>For >1,000, Deduct</i>	-0.09	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04	
33 11 13 23-0005	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.97	0.68
			<i>For >1,000, Deduct</i>	-0.10	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.07	
33 11 13 23-0006	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.26	0.76
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 11 13 23-0007	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.81	0.84
			<i>For >1,000, Deduct</i>	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.18	
33 11 13 23-0008	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.49	0.96
			<i>For >1,000, Deduct</i>	-0.17	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.28	
33 11 13 23-0009	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.18	1.08
			<i>For >1,000, Deduct</i>	-0.21	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	5.77 -0.29	1.32
33 11 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	9.57 -0.48	1.69
33 11 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	14.89 -0.74	2.32
33 11 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	21.89 -1.09	3.10
33 11 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	30.35 -1.52	4.18
33 11 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0016 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.57	6.97
33 11 13 23-0017 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.15	8.71
33 11 13 23-0018 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.83	10.89
33 11 13 23-0019 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.97	12.05
33 11 13 23-0020 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	41.45	13.50
33 11 13 23-0021 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	48.52	15.32
33 11 13 23-0022 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.51	17.24
33 11 13 23-0023 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	73.23	21.17
33 11 13 23-0024 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	102.25	26.90
33 11 13 23-0025 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	158.15	35.31
33 11 13 23-0026 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	197.90	47.24
33 11 13 23-0027 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	262.61	63.58
33 11 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.78	6.97
33 11 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.30	8.71
33 11 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.92	10.89
33 11 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.23	12.05
33 11 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	41.71	13.50
33 11 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.55	15.32
33 11 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.07	17.24
33 11 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	72.29	21.17
33 11 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	100.34	26.90
33 11 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	154.52	35.31
33 11 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	182.85	47.24
33 11 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	241.78	63.58
33 11 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.34	10.45
33 11 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.19	13.14
33 11 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.54	16.41
33 11 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	53.58	18.15
33 11 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	60.63	20.18
33 11 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	70.10	23.01
33 11 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	82.93	25.79
33 11 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	107.05	31.79
33 11 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	166.52	40.41
33 11 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	242.84	52.96
33 11 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	297.54	74.45
33 11 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	378.40	100.18
33 11 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	11.75	4.65
33 11 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	15.84	6.24
33 11 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	21.01	8.20
33 11 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.23	9.08
33 11 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.12	10.09
33 11 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.27	11.47
33 11 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	39.17	12.90
33 11 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.14	15.86
33 11 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	72.31	20.21
33 11 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	115.94	26.48
33 11 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	142.87	37.27
33 11 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	184.43	50.09
33 11 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 11 13 23)		
33 11 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0067)		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	1.69 -0.08	0.58
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 11 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	1.94 -0.10	0.63
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 11 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.44 -0.12	0.76
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.14	
33 11 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.88 -0.14	0.84
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 11 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	3.60 -0.18	0.96
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.30	
33 11 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	4.26 -0.21	1.08
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.40	
33 11 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	5.58 -0.28	1.32
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.57	
33 11 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	8.17 -0.41	1.69
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.99	
33 11 13 23-0077 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.65	6.97
33 11 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.19	8.71
33 11 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	30.80	12.05
33 11 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.64	13.50
33 11 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	40.87	15.32
33 11 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	46.14	17.24
33 11 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	59.22	21.17
33 11 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	87.24	26.90
33 11 13 23-0086 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.63	6.97
33 11 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.18	8.71
33 11 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	30.81	12.05
33 11 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.57	13.50
33 11 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	40.67	15.32
33 11 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	45.91	17.24
33 11 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	58.75	21.17
33 11 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	85.76	26.90
33 11 13 23-0095 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	26.42	10.45
33 11 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	33.25	13.14
33 11 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	46.11	18.15
33 11 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	51.72	20.18
33 11 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	61.42	23.01
33 11 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	70.15	25.79
33 11 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	86.94	31.79
33 11 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	132.28	40.41
33 11 13 23-0104 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	11.79	4.65
33 11 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	15.87	6.24
33 11 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	23.01	9.08
33 11 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	25.84	10.09
33 11 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	30.03	11.47
33 11 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	34.25	12.90
33 11 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	42.35	15.86
33 11 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	59.57	20.21
33 11 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	35.30	13.94
33 11 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	44.28	17.49
33 11 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	61.47	24.17
33 11 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	68.93	26.93
33 11 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	81.86	30.63
33 11 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	93.49	34.41
33 11 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	115.88	42.34
33 11 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	176.18	53.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 11 13 23)</small>		
33 11 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0122)</small>		
33 11 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.05 -0.10 0.12	0.63
33 11 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.67 -0.13 0.20	0.76
33 11 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.27 -0.16 0.29	0.84
33 11 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.11 -0.21 0.43	0.96
33 11 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.96 -0.25 0.57	1.08
33 11 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	6.66 -0.33 0.84	1.32
33 11 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	10.58 -0.53 1.59	1.69
33 11 13 23-0131 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	22.80	8.71
33 11 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	30.80	12.05
33 11 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	35.24	13.50
33 11 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	42.14	15.32
33 11 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	47.32	17.24
33 11 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	59.50	21.17
33 11 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	85.89	26.90
33 11 13 23-0139 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	25.26	8.71
33 11 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	33.17	12.05
33 11 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	37.52	13.50
33 11 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.42	15.32
33 11 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.89	17.24
33 11 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	70.69	21.17
33 11 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	85.14	26.90
33 11 13 23-0147 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	34.51	13.14
33 11 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	49.94	18.15
33 11 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	56.28	20.18
33 11 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	63.83	23.01
33 11 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	72.46	25.79
33 11 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	88.61	31.79
33 11 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	132.22	40.41
33 11 13 23-0155 Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	16.77	6.24
33 11 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	24.56	9.08
33 11 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.30	10.09
33 11 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	33.76	11.47
33 11 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	38.02	12.90
33 11 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	46.92	15.86
33 11 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	65.96	20.21
33 11 13 23-0163 Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross	45.95	17.49
33 11 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	66.54	24.17
33 11 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.99	26.93
33 11 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	85.06	30.63
33 11 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross	96.56	34.41
33 11 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross	118.09	42.34
33 11 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross	176.10	53.86
33 11 13 23-0171 AWWA C900 / C905 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23)</small> Note: Includes hub on one end of pipe.		
33 11 13 23-0172 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0173 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	12.56	6.24

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0174 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	16.17	7.23
33 11 13 23-0175 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	20.90	8.38
33 11 13 23-0176 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	24.92	8.79
33 11 13 23-0177 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	29.76	9.12
33 11 13 23-0178 LF 14" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	34.36	9.93
33 11 13 23-0179 LF 16" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	47.36	10.72
33 11 13 23-0180 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0181 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	13.24	6.24
33 11 13 23-0182 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.57	7.23
33 11 13 23-0183 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.26	8.38
33 11 13 23-0184 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	28.58	8.79
33 11 13 23-0185 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	34.87	9.12
33 11 13 23-0186 LF 14" AWWA C900, DR 18, PR 100 Polyvinyl Chloride (PVC) Pipe	43.18	9.93
33 11 13 23-0187 LF 16" AWWA C900, DR 18, PR 100 Polyvinyl Chloride (PVC) Pipe	56.86	10.72
33 11 13 23-0188 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0189 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	13.90	6.24
33 11 13 23-0190 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	18.95	7.23
33 11 13 23-0191 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	25.62	8.38
33 11 13 23-0192 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	32.17	8.79
33 11 13 23-0193 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	39.98	9.12
33 11 13 23-0194 LF 14" AWWA C900, DR 14, PR 100 Polyvinyl Chloride (PVC) Pipe	50.15	9.93
33 11 13 23-0195 LF 16" AWWA C900, DR 14, PR 100 Polyvinyl Chloride (PVC) Pipe	67.11	10.72
33 11 13 23-0196 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0197 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	35.26	11.50
33 11 13 23-0198 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	40.68	12.49
33 11 13 23-0199 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	50.88	13.80
33 11 13 23-0200 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	71.55	16.85
33 11 13 23-0201 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	92.76	17.83
33 11 13 23-0202 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	115.05	19.31
33 11 13 23-0203 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	144.23	21.69
33 11 13 23-0204 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0205 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.32	9.86
33 11 13 23-0206 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	33.49	10.68
33 11 13 23-0207 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	38.80	11.50
33 11 13 23-0208 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	45.28	12.49
33 11 13 23-0209 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	57.97	13.80
33 11 13 23-0210 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	81.73	16.85
33 11 13 23-0211 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	106.39	17.83
33 11 13 23-0212 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	184.03	19.31
33 11 13 23-0213 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	234.00	21.69
33 11 13 23-0214 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0215 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	31.05	9.86
33 11 13 23-0216 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	37.28	10.68
33 11 13 23-0217 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	43.50	11.50
33 11 13 23-0218 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	51.38	12.49
33 11 13 23-0219 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	66.73	13.80
33 11 13 23-0220 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	94.89	16.85
33 11 13 23-0221 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	125.60	17.83
33 11 13 23-0222 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	160.48	19.31
33 11 13 23-0223 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	203.34	21.69
33 11 13 23-0224 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 11 13 23)		
Note: Includes rubber gaskets.		
33 11 13 23-0225 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 11 13 23-0224)		
33 11 13 23-0226 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.78	8.71
For DR 25, Deduct	-1.94	
33 11 13 23-0227 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	85.78	9.80
For DR 25, Deduct	-3.97	
33 11 13 23-0228 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	146.79	10.89
For DR 25, Deduct	-7.50	
33 11 13 23-0229 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	361.06	17.40
For DR 25, Deduct	-19.58	
33 11 13 23-0230 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	499.40	28.99
For DR 25, Deduct	-26.49	
33 11 13 23-0231 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	609.84	36.24
For DR 25, Deduct	-32.24	
33 11 13 23-0232 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	720.34	43.50
For DR 25, Deduct	-38.00	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0233 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(33 11 13 23-0224)</small>		
33 11 13 23-0234 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	55.65	8.71
For DR 25, Deduct	-2.29	
33 11 13 23-0235 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	85.78	9.80
For DR 25, Deduct	-3.97	
33 11 13 23-0236 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	152.68	10.89
For DR 25, Deduct	-7.85	
33 11 13 23-0237 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	418.63	17.40
For DR 25, Deduct	-23.03	
33 11 13 23-0238 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	624.16	28.99
For DR 25, Deduct	-33.97	
33 11 13 23-0239 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	763.42	36.24
For DR 25, Deduct	-41.45	
33 11 13 23-0240 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	854.69	43.50
For DR 25, Deduct	-46.06	
33 11 13 23-0241 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes <small>(33 11 13 23-0224)</small>		
33 11 13 23-0242 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	57.84	9.80
For DR 25, Deduct	-2.29	
33 11 13 23-0243 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	87.96	10.89
For DR 25, Deduct	-3.97	
33 11 13 23-0244 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	164.40	12.34
For DR 25, Deduct	-8.38	
33 11 13 23-0245 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	337.66	21.75
For DR 25, Deduct	-17.65	
33 11 13 23-0246 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	513.48	43.50
For DR 25, Deduct	-25.59	
33 11 13 23-0247 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	638.17	54.37
For DR 25, Deduct	-31.77	
33 11 13 23-0248 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes	718.81	65.25
For DR 25, Deduct	-35.30	
33 11 13 23-0249 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Couplings <small>(33 11 13 23-0224)</small>		
33 11 13 23-0250 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	46.83	8.71
For DR 25, Deduct	-1.76	
33 11 13 23-0251 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	63.72	9.80
For DR 25, Deduct	-2.65	
33 11 13 23-0252 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	102.67	10.89
For DR 25, Deduct	-4.85	
33 11 13 23-0253 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	255.42	17.40
For DR 25, Deduct	-13.24	
33 11 13 23-0254 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	308.24	21.75
For DR 25, Deduct	-15.88	
33 11 13 23-0255 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	366.87	28.99
For DR 25, Deduct	-18.53	
33 11 13 23-0256 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling	410.79	36.24
For DR 25, Deduct	-20.30	
33 11 13 23-0257 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <small>(33 11 13 23-0224)</small>		
33 11 13 23-0258 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	86.33	17.42
For DR 25, Deduct	-3.09	
33 11 13 23-0259 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	120.09	19.60
For DR 25, Deduct	-4.85	
33 11 13 23-0260 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	183.27	21.78
For DR 25, Deduct	-8.38	
33 11 13 23-0261 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	363.74	34.80
For DR 25, Deduct	-17.65	
33 11 13 23-0262 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	520.86	43.50
For DR 25, Deduct	-26.03	
33 11 13 23-0263 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	645.45	58.00
For DR 25, Deduct	-31.77	
33 11 13 23-0264 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross.....	733.17	72.50
For DR 25, Deduct	-35.30	
33 11 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>See CSI section 22 11 16 00-0013 for galvanized steel pipe.</small>		
33 11 13 36 Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 36-0001 Steel Piping <small>(33 11 13 36)</small>		
33 11 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0001)</small> Note: ASTM A252 steel pipe.		
33 11 13 36-0003 3/16" To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	42.79	19.69
For >1,000, Deduct	-2.14	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11	13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	46.91 -2.35	19.69
33 11	13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	48.76 -2.44	21.48
33 11	13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	53.97 -2.70	21.48
33 11	13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	55.16 -2.76	22.51
33 11	13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	59.22 -2.96	22.51
33 11	13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	84.49 -4.22	24.87
33 11	13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	67.45 -3.37	24.87
33 11	13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	67.99 -3.40	26.26
33 11	13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	70.49 -3.52	26.26
33 11	13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	80.96 -4.05	29.54
33 11	13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	85.06 -4.25	29.54
33 11	13 36-0016		5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11	13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	70.17 -3.51	37.53
33 11	13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	80.97 -4.05	41.28
33 11	13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	88.22 -4.41	43.16
33 11	13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	99.42 -4.97	48.79
33 11	13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	102.20 -5.11	48.79
33 11	13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	104.77 -5.24	48.79
33 11	13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	107.74 -5.39	48.79
33 11	13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	124.28 -6.21	56.29
33 11	13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	133.45 -6.67	56.29
33 11	13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	155.96 -7.80	56.29
33 11	13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	151.24 -7.56	65.67
33 11	13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	155.00 -7.75	65.67
33 11	13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	190.38 -9.52	65.67
33 11	13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	170.70 -8.54	65.67
33 11	13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	201.50 -10.08	78.80
33 11	13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	228.95 -11.45	78.80
33 11	13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	222.09 -11.10	78.80
33 11	13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	315.22 -15.76	88.19
33 11	13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	217.35 -10.87	88.19
33 11	13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	360.03 -18.00	99.44
33 11	13 36-0037	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	384.27 -19.21	112.59
33 11	13 36-0038	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	240.30 -12.02	99.44
33 11	13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	415.54 -20.78	112.59
33 11	13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	468.77 -23.44	131.35
33 11	13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	357.61 -17.88	131.35
33 11	13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	441.41 -22.07	107.68
33 11	13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	692.45 -34.62	107.68
33 11	13 36-0044		Dresser Couplings For Plain End Welded Steel Pipe <small>(33 11 13 36-0001)</small>		
33 11	13 36-0045	EA	2" Dresser Coupling For Plain End Welded Steel Pipe.....	86.38	19.46



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Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	125.96	37.42
33 11 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	167.60	49.40
33 11 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	267.89	74.84
33 11 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	351.25	94.29
33 11 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	479.39	111.83
33 11 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	568.28	140.15
33 11 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	593.34	140.15
33 11 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	646.37	149.10
33 11 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	685.25	149.10
33 11 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	773.07	193.83
33 11 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	941.55	193.83
33 11 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,175.95	223.64
33 11 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,324.27	223.64
33 11 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,594.49	283.29
33 11 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	1,761.53	283.29
33 11 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,055.90	372.75
33 11 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,176.86	372.75
33 11 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	2,720.97	566.58
33 11 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,019.05	566.58
33 11 13 36-0065 Pipe Coatings (33 11 13 36-0001)		
33 11 13 36-0066 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 11 13 36-0065)		
33 11 13 36-0067 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.51	
33 11 13 36-0068 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.67	
33 11 13 36-0069 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.32	
33 11 13 36-0070 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.60	
33 11 13 36-0071 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.03	
33 11 13 36-0072 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.02	
33 11 13 36-0073 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	9.22	
33 11 13 36-0074 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	14.57	
33 11 13 36-0075 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	31.40	
33 11 13 36-0076 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	35.89	
33 11 13 36-0077 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	40.38	
33 11 13 36-0078 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	44.86	
33 11 13 36-0079 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	49.35	
33 11 13 36-0080 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	53.81	
33 11 13 36-0081 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	58.32	
33 11 13 39 Copper Public Water Utility Distribution Piping (33 11 13)		
33 11 13 39-0001 Type K Copper Water Distribution Piping (33 11 13 39)		
33 11 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe.....	5.20	1.44
33 11 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe.....	6.93	1.61
33 11 13 39-0004 LF 1" Type K Copper Water Distribution Pipe.....	8.90	1.79
33 11 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe.....	10.56	2.15
33 11 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe.....	13.32	2.86
33 11 13 39-0007 LF 2" Type K Copper Water Distribution Pipe.....	18.55	3.57
33 11 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe.....	26.89	4.30
33 11 13 39-0009 LF 3" Type K Copper Water Distribution Pipe.....	35.04	4.72
33 11 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe.....	46.30	5.94
33 11 13 39-0011 LF 4" Type K Copper Water Distribution Pipe.....	59.11	7.51
33 11 13 39-0012 LF 5" Type K Copper Water Distribution Pipe.....	132.76	9.38
33 11 13 39-0013 LF 6" Type K Copper Water Distribution Pipe.....	185.90	11.31
33 11 13 39-0014 LF 8" Type K Copper Water Distribution Pipe.....	329.75	12.66
33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 11 13)		
33 11 13 43-0001 Pipe Coatings And Wraps (33 11 13 43)		
33 11 13 43-0002 8 Mil Polyethylene Encasement Tubing (33 11 13 43-0001)		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 11 13 43-0003 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.52	
33 11 13 43-0004 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.90	
33 11 13 43-0005 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.14	
33 11 13 43-0006 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.45	
33 11 13 43-0007 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.05	
33 11 13 43-0008 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.66	
33 11 13 43-0009 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.38	
33 11 13 43-0010 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.02	
33 11 13 43-0011 LF 54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.04	
33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 11 13)		
33 11 13 53-0001 Double Stud Stainless Steel Service Saddles (33 11 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 11 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048004 To 048009).....	191.19	

33 Utilities

33 10 Water Utilities

33 11 Water Utility Distribution Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048010 To 048013).....	267.00	
33 11 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048014 To 048015).....	284.65	
33 11 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069004 To 069009).....	231.90	
33 11 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069010 To 069015).....	294.61	
33 11 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090504 To 090509).....	241.74	
33 11 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090510 To 090515).....	308.17	
33 11 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111004 To 111009).....	273.94	
33 11 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111010 To 111015).....	324.60	
33 11 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132004 To 132009).....	285.23	
33 11 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132010 To 132015).....	334.00	
33 11 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 11 13 53)		
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 11 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	157.58	
33 11 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	157.72	
33 11 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	167.66	
33 11 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	160.99	
33 11 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	172.36	
33 11 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	192.49	
33 11 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	204.93	
33 11 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	184.37	
33 11 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	204.14	
33 11 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	213.75	
33 11 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	196.10	
33 11 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	217.15	
33 11 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	226.46	
33 11 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	206.65	
33 11 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	226.96	
33 11 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	236.98	
33 11 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	335.39	
33 11 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	377.67	
33 11 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	228.91	
33 11 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	250.37	
33 11 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	261.14	
33 11 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	442.58	
33 11 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	255.72	
33 11 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	286.38	
33 11 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	498.77	
33 11 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	280.34	
33 11 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	312.92	
33 11 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	323.67	
33 11 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	561.52	
33 11 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	331.67	
33 11 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	365.39	
33 11 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	388.66	
33 11 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	702.70	
33 11 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	342.29	
33 11 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	395.62	
33 11 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	412.17	
33 11 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	757.82	
33 11 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	364.92	
33 11 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	433.68	
33 11 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	450.44	
33 11 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	811.86	
33 11 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	400.32	
33 11 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	477.54	
33 11 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	462.88	
33 11 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	514.66	
33 11 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	483.94	
33 11 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	550.38	
33 11 13 53-0061 Double Bale Bronze Service Saddles (33 11 13 53)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	323.51	
33 11 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	344.40	
33 11 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	354.23	
33 11 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	375.67	
33 11 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	398.20	
33 11 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	413.59	
33 11 13 53-0068 EA 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	452.80	
33 11 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	474.78	
33 11 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	489.86	
33 11 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	526.81	
33 11 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	632.97	
33 11 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	666.64	
33 11 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	701.80	
33 11 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	744.26	
33 11 13 53-0076 EA 18" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	795.04	
33 11 13 53-0077 EA 18" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	849.23	
33 11 13 53-0078 EA 20" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	973.31	
33 11 13 53-0079 EA 20" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979).....	1,058.61	
33 11 13 53-0080	Stainless Steel Double Straps, Bronze Body Service Saddle <small>(33 11 13 53)</small>	
Note: Taps are compression or NPT.		
33 11 13 53-0081 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	345.46	
33 11 13 53-0082 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	367.86	
33 11 13 53-0083 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	377.88	
33 11 13 53-0084 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	400.90	
33 11 13 53-0085 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	426.13	
33 11 13 53-0086 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	442.37	
33 11 13 53-0087 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	486.28	
33 11 13 53-0088 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	509.91	
33 11 13 53-0089 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	526.80	
33 11 13 53-0090 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	567.19	
33 11 13 53-0091 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	686.10	
33 11 13 53-0092 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	722.81	
33 11 13 53-0093 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	761.20	
33 11 13 53-0094 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	807.76	
33 11 13 53-0095 EA 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	864.63	
33 11 13 53-0096 EA 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	924.33	
33 11 13 53-0097 EA 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	1,063.30	
33 11 13 53-0098 EA 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969).....	1,139.93	
33 11 13 53-0099	Ductile Iron Mechanical Joint Tapping Sleeve <small>(33 11 13 53)</small>	
33 11 13 53-0100 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,014.70	
33 11 13 53-0101 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,224.34	
33 11 13 53-0102 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,465.71	
33 11 13 53-0103 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,552.64	
33 11 13 53-0104 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,382.98	
33 11 13 53-0105 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,505.14	
33 11 13 53-0106 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,556.82	
33 11 13 53-0107 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,507.08	
33 11 13 53-0108 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,628.76	
33 11 13 53-0109 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,927.03	
33 11 13 53-0110 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,001.80	
33 11 13 53-0111 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,159.12	
33 11 13 53-0112 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,205.44	
33 11 13 53-0113 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,266.63	
33 11 13 53-0114 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,292.20	
33 11 13 53-0115 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,486.66	
33 11 13 53-0116 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,475.95	
33 11 13 53-0117 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,581.90	
33 11 13 53-0118 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,646.46	
33 11 13 53-0119 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,681.79	
33 11 13 53-0120 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,720.80	
33 11 13 53-0121 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,934.19	
33 11 13 53-0122 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,999.44	
33 11 13 53-0123 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,642.36	
33 11 13 53-0124 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,991.59	
33 11 13 53-0125 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,086.56	
33 11 13 53-0126 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,377.71	
33 11 13 53-0127 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,130.62	
33 11 13 53-0128 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,863.09	
33 11 13 53-0129 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,995.49	
33 11 13 53-0130 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,046.43	
33 11 13 53-0131 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,305.24	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 53-0132	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,921.91
33 11 13 53-0133	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,112.10
33 11 13 53-0134	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,625.74
33 11 13 53-0135	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,744.39
33 11 13 53-0136	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,777.50
33 11 13 53-0137	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,210.20
33 11 13 53-0138	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,366.65
33 11 13 53-0139	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,399.76
33 11 13 53-0140	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,741.24
33 11 13 53-0141	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,902.13

33 11 13 53-0142 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 11 13 53)

33 11 13 53-0143	EA	4" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	964.84
33 11 13 53-0144	EA	6" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,009.21
33 11 13 53-0145	EA	6" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,111.92
33 11 13 53-0146	EA	8" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,131.40
33 11 13 53-0147	EA	8" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,179.47
33 11 13 53-0148	EA	8" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,376.70
33 11 13 53-0149	EA	10" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,227.68
33 11 13 53-0150	EA	10" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,274.37
33 11 13 53-0151	EA	10" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,446.96
33 11 13 53-0152	EA	10" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,076.19
33 11 13 53-0153	EA	12" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,370.12
33 11 13 53-0154	EA	12" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,441.45
33 11 13 53-0155	EA	12" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,611.19
33 11 13 53-0156	EA	12" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,234.14
33 11 13 53-0157	EA	12" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,388.62
33 11 13 53-0158	EA	14" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,841.72
33 11 13 53-0159	EA	14" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,899.67
33 11 13 53-0160	EA	14" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,270.96
33 11 13 53-0161	EA	14" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,811.28
33 11 13 53-0162	EA	14" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,030.88
33 11 13 53-0163	EA	16" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,203.58
33 11 13 53-0164	EA	16" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,263.60
33 11 13 53-0165	EA	16" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,507.31
33 11 13 53-0166	EA	16" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,170.45
33 11 13 53-0167	EA	16" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,322.47
33 11 13 53-0168	EA	18" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,362.14
33 11 13 53-0169	EA	18" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,421.12
33 11 13 53-0170	EA	18" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,646.04
33 11 13 53-0171	EA	18" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,362.99
33 11 13 53-0172	EA	18" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,514.83
33 11 13 53-0173	EA	20" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,722.39
33 11 13 53-0174	EA	20" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,782.98
33 11 13 53-0175	EA	20" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,140.16
33 11 13 53-0176	EA	20" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,868.14
33 11 13 53-0177	EA	20" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,884.68
33 11 13 53-0178	EA	24" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,936.28
33 11 13 53-0179	EA	24" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,996.16
33 11 13 53-0180	EA	24" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,363.96
33 11 13 53-0181	EA	24" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,100.33
33 11 13 53-0182	EA	24" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,252.28

33 11 13 53-0183 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 11 13 53)

33 11 13 53-0184	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,136.64
33 11 13 53-0185	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,226.18
33 11 13 53-0186	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,300.98
33 11 13 53-0187	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,312.91
33 11 13 53-0188	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,400.02
33 11 13 53-0189	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,672.47
33 11 13 53-0190	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,508.67
33 11 13 53-0191	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,605.94
33 11 13 53-0192	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,849.51
33 11 13 53-0193	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,559.63
33 11 13 53-0194	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,715.05
33 11 13 53-0195	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,849.87
33 11 13 53-0196	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,173.63
33 11 13 53-0197	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,597.32
33 11 13 53-0198	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,919.80
33 11 13 53-0199	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,004.79
33 11 13 53-0200	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,122.13
33 11 13 53-0201	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,487.47
33 11 13 53-0202	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,911.60
33 11 13 53-0203	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,133.01
33 11 13 53-0204	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,410.03
33 11 13 53-0205	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,640.29
33 11 13 53-0206	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,814.29
33 11 13 53-0207	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,270.77
33 11 13 53-0208	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,578.45



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0209	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,640.56	
33 11 13 53-0210	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,987.79	
33 11 13 53-0211	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,169.64	
33 11 13 53-0212	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,570.02	
33 11 13 53-0213	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,101.73	
33 11 13 53-0214	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,831.85	
33 11 13 53-0215	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,178.17	
33 11 13 53-0216	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,324.76	
33 11 13 53-0217	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,075.15	
33 11 13 53-0218	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,490.07	
33 11 13 53-0219	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,124.35	
33 11 13 53-0220	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,202.24	
33 11 13 53-0221	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,535.26	
33 11 13 53-0222	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,242.21	
33 11 13 53-0223	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,454.05	
33 11 13 53-0224		Ductile Iron Body, Flanged Coupling Adapter <small>(33 11 13 53)</small>		
33 11 13 53-0225	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	402.86	101.01
33 11 13 53-0226	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	465.31	101.01
33 11 13 53-0227	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	552.27	101.01
33 11 13 53-0228	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	701.65	101.01
33 11 13 53-0229	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,147.46	101.01
33 11 13 53-0230	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,259.12	101.01
33 11 13 53-0231		Steel Body, Flanged Coupling Adapter <small>(33 11 13 53)</small>		
33 11 13 53-0232	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,026.53	101.01
33 11 13 53-0233	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,163.11	101.01
33 11 13 53-0234	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,485.82	101.01
33 11 13 53-0235	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,808.58	101.01
33 11 13 53-0236	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,230.64	101.01
33 11 13 53-0237	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,596.84	101.01
33 11 13 53-0238	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	3,124.32	101.01
33 11 13 53-0239	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	3,751.20	101.01
33 11 13 53-0240		Ductile Iron Body, Omni Coupling System <small>(33 11 13 53)</small>		
33 11 13 53-0241	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	97.67	30.29
33 11 13 53-0242	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	119.87	30.29
33 11 13 53-0243	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	147.36	43.54
33 11 13 53-0244	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	185.94	54.89
33 11 13 53-0245	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	249.11	75.72
33 11 13 53-0246	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	301.39	88.97
33 11 13 53-0247	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	372.06	100.33
33 11 13 53-0248	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	433.56	113.57
33 11 13 53-0249	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	597.12	124.94
33 11 13 53-0250	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	734.33	136.29
33 12		Water Utility Distribution Equipment <small>(33 10)</small>		
33 12 13		Water Service Connections <small>(33 12)</small>		
33 12 13 23		Water Service Hydrants <small>(33 12 13)</small>		
33 12 13 23-0001		Yard Hydrants <small>(33 12 13 23)</small>		
		Note: With 3/4" hose thread outlet.		
33 12 13 23-0002	EA	2" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	167.92	24.38
33 12 13 23-0003	EA	4" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	177.43	24.38
33 12 13 23-0004	EA	6" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	186.94	24.38
33 12 13 23-0005	EA	2" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	213.77	30.89
33 12 13 23-0006	EA	4" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	223.34	30.89
33 12 13 23-0007	EA	6" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	232.90	30.89
33 12 13 23-0008		Sanitary Yard Hydrants <small>(33 12 13 23)</small>		
		Note: With 3/4" hose thread outlet.		
33 12 13 23-0009	EA	2" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	633.81	50.81
33 12 13 23-0010	EA	4" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	663.53	50.81
33 12 13 23-0011	EA	6" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	693.25	50.81
33 12 13 23-0012		Flushing Hydrants <small>(33 12 13 23)</small>		
33 12 13 23-0013	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	448.44	31.42
33 12 16		Water Utility Distribution Valves <small>(33 12)</small>		
		Note: Flanged valves excludes bolt and gasket set.		
33 12 16 00-0001		Accessories For Valves <small>(33 12 16)</small>		

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0002 EA 1' Valve Extension Stem.....	67.99	
For Each Additional LF, Add	4.70	
33 12 16 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	840.65	74.84
Note: Excludes valve.		
33 12 16 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	952.11	82.31
Note: Excludes valve.		
33 12 16 00-0005 Roadway Or Curb Valve Boxes (33 12 16)		
See CSI section 22 05 19 00-0000 for metering.		
33 12 16 00-0006 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 12 16 00-0005)		
33 12 16 00-0007 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	140.52	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0008 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	162.59	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0009 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	163.61	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0010 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	43.06	4.94
33 12 16 00-0011 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	48.90	4.94
33 12 16 00-0012 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	57.69	4.94
33 12 16 00-0013 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	210.83	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0014 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	363.46	17.28
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0015 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	404.61	17.28
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0016 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	219.00	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0017 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	228.83	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0018 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	221.32	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0019 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	80.41	4.94
33 12 16 00-0020 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	137.43	20.33
33 12 16 00-0021 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	141.90	21.13
33 12 16 00-0022 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	157.88	21.95
33 12 16 00-0023 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	214.46	23.17
33 12 16 00-0024 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	257.85	24.38
33 12 16 00-0025 EA 18" Cast Iron Service Box Extension Section.....	59.94	
33 12 16 00-0026 Plastic Roadway Grade Water Meter Box And Cover (33 12 16 00-0005)		
33 12 16 00-0027 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	157.28	28.45
33 12 16 00-0028 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	117.52	20.33
33 12 16 00-0029 EA Cast Iron Lid For Plastic Meter Box.....	33.62	
33 12 16 00-0030 Traffic Valve Box And Lid (33 12 16 00-0005)		
33 12 16 00-0031 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	124.01	
33 12 16 00-0032 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	369.97	
33 12 16 00-0033 Roadway Utility Box (33 12 16)		
33 12 16 00-0034 Utility Box (33 12 16 00-0033)		
Note: Christy Concrete Products.		
33 12 16 00-0035 B3 Utility Box, 9-3/8" x 15-1/2" (33 12 16 00-0034)		
33 12 16 00-0036 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	59.76	37.20
33 12 16 00-0037 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	45.65	4.13
33 12 16 00-0038 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	21.41	4.13
33 12 16 00-0039 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	94.93	4.13
33 12 16 00-0040 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	32.77	8.26
33 12 16 00-0041 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	43.48	8.26
33 12 16 00-0042 B9 Utility Box, 10-1/4" x 17-1/4" (33 12 16 00-0034)		
33 12 16 00-0043 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	74.73	49.60
33 12 16 00-0044 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	53.61	4.96
33 12 16 00-0045 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	24.15	4.96
33 12 16 00-0046 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	99.39	4.13
33 12 16 00-0047 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	35.72	8.26
33 12 16 00-0048 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	49.16	12.40
33 12 16 00-0049 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	66.31	22.73
33 12 16 00-0050 B12 Utility Box, 12" x 20" (33 12 16 00-0034)		
33 12 16 00-0051 EA 12" x 20" Precast Concrete Utility Box.....	81.76	53.73
33 12 16 00-0052 EA Cast Iron Lid For 12" x 20" Utility Box.....	93.79	6.20
33 12 16 00-0053 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	34.00	8.26
33 12 16 00-0054 EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	136.40	8.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0055 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	85.74	28.94
33 12 16 00-0056 B16 Utility Box, 12" x 22-1/4" <small>(33 12 16 00-0034)</small>		
33 12 16 00-0057 EA 12" x 22-1/4" Precast Concrete Utility Box.....	94.59	62.82
33 12 16 00-0058 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	107.24	8.26
33 12 16 00-0059 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	40.07	8.26
33 12 16 00-0060 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	137.12	8.26
33 12 16 00-0061 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	58.72	14.05
33 12 16 00-0062 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	86.75	28.94
33 12 16 00-0063 B30 Utility Box, 13-1/4" x 24" <small>(33 12 16 00-0034)</small>		
33 12 16 00-0064 EA 13-1/4" x 24" Precast Concrete Utility Box.....	113.31	74.39
33 12 16 00-0065 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	56.07	13.22
33 12 16 00-0066 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box.....	170.04	10.74
33 12 16 00-0067 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box.....	58.72	14.05
33 12 16 00-0068 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	91.57	23.14
33 12 16 00-0069 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	69.15	15.70
33 12 16 00-0070 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	112.12	37.20
33 12 16 00-0071 B36 Utility Box, 17-1/4" x 30" <small>(33 12 16 00-0034)</small>		
33 12 16 00-0072 EA 17-1/4" x 30" Precast Concrete Utility Box.....	146.60	94.24
33 12 16 00-0073 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	92.54	22.73
33 12 16 00-0074 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box.....	215.40	15.70
33 12 16 00-0075 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box.....	92.65	29.76
33 12 16 00-0076 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box.....	139.51	33.07
33 12 16 00-0077 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box.....	147.99	47.95
33 12 16 00-0078 B40 Utility Box, 24-1/2" x 36" <small>(33 12 16 00-0034)</small>		
33 12 16 00-0079 EA 24-1/2" x 36" Precast Concrete Utility Box.....	278.59	145.49
33 12 16 00-0080 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	245.58	54.56
33 12 16 00-0081 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	307.61	23.97
33 12 16 00-0082 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	207.43	51.25
33 12 16 00-0083 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	219.43	53.73
33 12 16 00-0084 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 12 16 00-0034)</small>		
33 12 16 00-0085 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	369.43	165.32
33 12 16 00-0086 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	353.40	90.11
33 12 16 00-0087 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	422.12	90.11
33 12 16 00-0088 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	490.37	41.33
33 12 16 00-0089 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	338.52	111.59
33 12 16 00-0090 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	280.02	75.22
33 12 16 00-0091 Water Utility Distribution Valves <small>(33 12 16)</small>		
33 12 16 00-0092 Angle Valves <small>(33 12 16 00-0091)</small>		
Note: For connecting meters to water service.		
33 12 16 00-0093 Threaded, Class 150, Bronze Angle Valve <small>(33 12 16 00-0092)</small>		
Note: Nibco T-335Y		
33 12 16 00-0094 EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	48.24	13.01
33 12 16 00-0095 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	65.05	17.48
33 12 16 00-0096 EA 1" Threaded, Class 150, Bronze Angle Valve.....	85.06	21.55
33 12 16 00-0097 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	109.05	27.07
33 12 16 00-0098 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	133.45	31.30
33 12 16 00-0099 EA 2" Threaded, Class 150, Bronze Angle Valve.....	188.85	36.59
33 12 16 00-0100 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	292.63	49.92
33 12 16 00-0101 EA 3" Threaded, Class 150, Bronze Angle Valve.....	425.02	57.63
33 12 16 00-0102 Butterfly Valves <small>(33 12 16 00-0091)</small>		
33 12 16 00-0103 Iron Body, Iron Disc Butterfly Valve <small>(33 12 16 00-0102)</small>		
Note: AWWA C504, ANSI Class 125/150, flanged or mechanical joint connection, Buna seat material, and 304 stainless steel shaft with 8" diameter handwheel operator.		
33 12 16 00-0104 EA 4" Iron Body, Iron Disc Butterfly Valve.....	970.50	137.32
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	
33 12 16 00-0105 EA 6" Iron Body, Iron Disc Butterfly Valve.....	1,095.83	145.11
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	
33 12 16 00-0106 EA 8" Iron Body, Iron Disc Butterfly Valve.....	1,619.67	217.67
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	
33 12 16 00-0107 EA 10" Iron Body, Iron Disc Butterfly Valve.....	1,784.82	290.23
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	
33 12 16 00-0108 EA 12" Iron Body, Iron Disc Butterfly Valve.....	2,001.26	307.42
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	
33 12 16 00-0109 EA 14" Iron Body, Iron Disc Butterfly Valve.....	2,607.19	405.66
<i>For 8" Diameter Chain Wheel Actuator, Add</i>		
	150.00	

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0110 EA 16" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	3,121.42 150.00	435.26
33 12 16 00-0111 EA 18" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	3,823.79 150.00	455.29
33 12 16 00-0112 EA 20" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	4,396.46 150.00	498.75
33 12 16 00-0113 EA 24" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	6,129.21 150.00	613.68
33 12 16 00-0114 EA 30" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	12,648.83 150.00	979.00
33 12 16 00-0115 EA 36" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	16,249.76 150.00	1,956.47
33 12 16 00-0116 EA 42" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	20,887.90 300.00	2,279.57
33 12 16 00-0117 EA 48" Iron Body, Iron Disc Butterfly Valve <i>For 8" Diameter Chain Wheel Actuator, Add</i>	30,929.95 300.00	2,584.81
33 12 16 00-0118 Check Valves <small>(33 12 16 00-0091)</small>		
33 12 16 00-0119 Flanged, Swing Type Gravity Operated Check Valves <small>(33 12 16 00-0118)</small> Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 12 16 00-0120 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	619.16	101.03
33 12 16 00-0121 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	661.07	119.73
33 12 16 00-0122 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	836.83	160.90
33 12 16 00-0123 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,156.41	183.34
33 12 16 00-0124 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,247.74	209.54
33 12 16 00-0125 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,152.21	187.09
33 12 16 00-0126 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,465.27	205.80
33 12 16 00-0127 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,531.01	224.51
33 12 16 00-0128 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,587.80	224.51
33 12 16 00-0129 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,567.17	261.92
33 12 16 00-0130 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	3,827.15	314.31
33 12 16 00-0131 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,310.83	393.42
33 12 16 00-0132 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,014.65	441.60
33 12 16 00-0133 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,062.52	489.76
33 12 16 00-0134 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	11,699.59	552.00
33 12 16 00-0135 Combination Air Release Valves <small>(33 12 16 00-0091)</small>		
33 12 16 00-0136 EA 1" Combination Air Release Valve.....	421.11	15.71
33 12 16 00-0137 EA 2" Combination Air Release Valve.....	679.66	26.94
33 12 16 00-0138 Corporation Stop And Curb Valve <small>(33 12 16 00-0091)</small> Note: AWWA C800		
33 12 16 00-0139 Ball Corporation Valves <small>(33 12 16 00-0138)</small> Note: Mueller B-25000.		
33 12 16 00-0140 EA 3/4" Ball Corporation Valve.....	66.13	15.71
33 12 16 00-0141 EA 1" Ball Corporation Valve.....	83.25	19.46
33 12 16 00-0142 EA 1-1/2" Ball Corporation Valve.....	151.93	28.44
33 12 16 00-0143 EA 2" Ball Corporation Valve.....	232.81	33.67
33 12 16 00-0144 Gate Valve, AWWA C500 And C509 <small>(33 12 16 00-0091)</small>		
33 12 16 00-0145 Gate Valve, Flanged <small>(33 12 16 00-0144)</small> Note: Mueller A-2380-6.		
33 12 16 00-0146 EA 2" Gate Valve, Flanged.....	395.99	79.70
33 12 16 00-0147 EA 2-1/2" Gate Valve, Flanged.....	482.32	99.90
33 12 16 00-0148 EA 3" Gate Valve, Flanged.....	576.98	119.73
33 12 16 00-0149 EA 4" Gate Valve, Flanged.....	693.44	159.40
33 12 16 00-0150 EA 6" Gate Valve, Flanged.....	875.00	187.09
33 12 16 00-0151 EA 8" Gate Valve, Flanged.....	1,231.63	224.51
33 12 16 00-0152 EA 10" Gate Valve, Flanged.....	1,767.52	261.92
33 12 16 00-0153 EA 12" Gate Valve, Flanged.....	2,130.17	314.31
33 12 16 00-0154 EA 14" Gate Valve, Flanged.....	4,372.94	393.42
33 12 16 00-0155 EA 16" Gate Valve, Flanged.....	5,675.27	441.60
33 12 16 00-0156 EA 18" Gate Valve, Flanged.....	8,824.96	489.76
33 12 16 00-0157 EA 20" Gate Valve, Flanged.....	10,524.55	552.00
33 12 16 00-0158 Resilient Wedge Gate Valve, Flanged <small>(33 12 16 00-0144)</small> Note: Mueller A-2360-6.		
33 12 16 00-0159 EA 2" Resilient Wedge Gate Valve, Flanged.....	382.61	79.70
33 12 16 00-0160 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	466.33	99.90
33 12 16 00-0161 EA 3" Resilient Wedge Gate Valve, Flanged.....	558.00	120.86
33 12 16 00-0162 EA 4" Resilient Wedge Gate Valve, Flanged.....	672.23	159.40
33 12 16 00-0163 EA 6" Resilient Wedge Gate Valve, Flanged.....	846.64	187.09
33 12 16 00-0164 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,187.34	224.51
33 12 16 00-0165 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,697.13	261.92
33 12 16 00-0166 EA 12" Resilient Wedge Gate Valve, Flanged.....	2,045.18	314.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 12 16 00-0167

Gate Valve, Mechanical Joint (33 12 16 00-0144)

Note: Mueller A-2380-20.

33 12 16 00-0168	EA	2" Gate Valve, Mechanical Joint	429.33	79.70
33 12 16 00-0169	EA	2-1/2" Gate Valve, Mechanical Joint	476.87	99.90
33 12 16 00-0170	EA	3" Gate Valve, Mechanical Joint	595.14	120.86
33 12 16 00-0171	EA	4" Gate Valve, Mechanical Joint	723.06	159.40
33 12 16 00-0172	EA	6" Gate Valve, Mechanical Joint	897.47	187.09
33 12 16 00-0173	EA	8" Gate Valve, Mechanical Joint	1,263.10	224.51
33 12 16 00-0174	EA	10" Gate Valve, Mechanical Joint	1,789.00	261.92
33 12 16 00-0175	EA	12" Gate Valve, Mechanical Joint	2,227.72	314.31
33 12 16 00-0176	EA	14" Gate Valve, Mechanical Joint	4,638.97	393.42
33 12 16 00-0177	EA	16" Gate Valve, Mechanical Joint	5,947.81	441.60
33 12 16 00-0178	EA	18" Gate Valve, Mechanical Joint	9,311.67	489.76
33 12 16 00-0179	EA	20" Gate Valve, Mechanical Joint	11,051.26	552.00

33 12 16 00-0180

Resilient Wedge Gate Valve, Mechanical Joint (33 12 16 00-0144)

Note: Mueller A-2360-20.

33 12 16 00-0181	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	414.05	79.70
33 12 16 00-0182	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	575.13	120.86
33 12 16 00-0183	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	700.17	159.40
33 12 16 00-0184	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	867.86	187.09
33 12 16 00-0185	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	1,217.03	224.51
33 12 16 00-0186	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	1,717.39	261.92
33 12 16 00-0187	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	2,137.19	314.31

33 12 16 00-0188

Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 12 16 00-0144)

Note: Mueller A-2361.

33 12 16 00-0189	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,148.88	393.42
33 12 16 00-0190	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,530.79	441.60
33 12 16 00-0191	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	6,950.65	489.76
33 12 16 00-0192	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,275.14	552.00
33 12 16 00-0193	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X FL	13,616.44	642.32

33 12 16 00-0194

Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 12 16 00-0144)

Note: NIBCO T-113.

33 12 16 00-0195	EA	1/4" Gate Valve, Bronze, Threaded	32.55	13.09
33 12 16 00-0196	EA	3/8" Gate Valve, Bronze, Threaded	33.80	13.09
33 12 16 00-0197	EA	1/2" Gate Valve, Bronze, Threaded	34.27	13.09
33 12 16 00-0198	EA	3/4" Gate Valve, Bronze, Threaded	44.92	17.68
33 12 16 00-0199	EA	1" Gate Valve, Bronze, Threaded	54.98	21.38
33 12 16 00-0200	EA	1-1/4" Gate Valve, Bronze, Threaded	72.72	27.07
33 12 16 00-0201	EA	1-1/2" Gate Valve, Bronze, Threaded	84.19	31.30
33 12 16 00-0202	EA	2" Gate Valve, Bronze, Threaded	101.16	36.59
33 12 16 00-0203	EA	2-1/2" Gate Valve, Bronze, Threaded	173.15	49.92
33 12 16 00-0204	EA	3" Gate Valve, Bronze, Threaded	205.27	57.25

33 12 16 00-0205

Globe Valve, AWWA (33 12 16 00-0091)

33 12 16 00-0206

Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 12 16 00-0205)

Note: NIBCO T-235.

33 12 16 00-0207	EA	1/8" Globe Valve, Threaded	42.32	13.09
33 12 16 00-0208	EA	1/4" Globe Valve, Threaded	39.81	13.09
33 12 16 00-0209	EA	3/8" Globe Valve, Threaded	41.06	13.09
33 12 16 00-0210	EA	1/2" Globe Valve, Threaded	42.32	13.09
33 12 16 00-0211	EA	3/4" Globe Valve, Threaded	57.37	17.68
33 12 16 00-0212	EA	1" Globe Valve, Threaded	77.00	21.38
33 12 16 00-0213	EA	1-1/4" Globe Valve, Threaded	108.30	27.07
33 12 16 00-0214	EA	1-1/2" Globe Valve, Threaded	128.19	31.30
33 12 16 00-0215	EA	2" Globe Valve, Threaded	171.68	36.59
33 12 16 00-0216	EA	2-1/2" Globe Valve, Threaded	297.50	49.92
33 12 16 00-0217	EA	3" Globe Valve, Threaded	396.35	57.55

33 12 16 00-0218

Tapping Valve, AWWA C500 And C509 (33 12 16 00-0091)

33 12 16 00-0219

Tapping Valve, AWWA C500 And C509 (33 12 16 00-0218)

Note: Flanged inlet X mechanical joint, Mueller H-667.

33 12 16 00-0220	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	563.96	99.90
33 12 16 00-0221	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	711.76	120.86
33 12 16 00-0222	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	823.64	159.40
33 12 16 00-0223	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,073.95	187.09
33 12 16 00-0224	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,486.78	224.51
33 12 16 00-0225	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,077.59	261.92
33 12 16 00-0226	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,003.28	314.31
33 12 16 00-0227	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,271.01	393.42
33 12 16 00-0228	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,626.26	441.60

33	Utilities
33 10	Water Utilities
33 12	Water Utility Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 12 16 00-0229	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,511.22	490.57
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33 12 19 Water Utility Distribution Fire Hydrants (33 12)

33 12 19 00-0001

Fire Hydrants (33 12 19)

Note: Breakaway type.

33 12 19 00-0002

Three Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 12 19 00-0003	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,737.30	203.16
33 12 19 00-0004	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,768.40	203.16
33 12 19 00-0005	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,799.58	203.16
33 12 19 00-0006	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,845.12	217.67
33 12 19 00-0007	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,876.25	217.67
33 12 19 00-0008	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,925.55	235.81
33 12 19 00-0009	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,956.63	235.81
33 12 19 00-0010	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,005.94	253.95
33 12 19 00-0011	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,037.07	253.95
33 12 19 00-0012	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,086.28	272.08
33 12 19 00-0013	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,135.55	290.23
33 12 19 00-0014	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,202.89	326.50
33 12 19 00-0015	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,765.68	203.16
33 12 19 00-0016	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,806.04	203.16
33 12 19 00-0017	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,846.30	203.16
33 12 19 00-0018	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,901.07	217.67
33 12 19 00-0019	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,941.33	217.67
33 12 19 00-0020	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	1,999.88	235.81
33 12 19 00-0021	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,040.09	235.81
33 12 19 00-0022	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,098.53	253.95
33 12 19 00-0023	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,138.78	253.95
33 12 19 00-0024	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,197.10	272.08
33 12 19 00-0025	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,255.61	290.23
33 12 19 00-0026	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant	2,332.07	326.50

33 12 19 00-0027

Two Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 12 19 00-0028	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,566.59	203.16
33 12 19 00-0029	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,597.58	203.16
33 12 19 00-0030	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,628.75	203.16
33 12 19 00-0031	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,674.42	217.67
33 12 19 00-0032	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,705.45	217.67
33 12 19 00-0033	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,754.68	235.81
33 12 19 00-0034	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,785.81	235.81
33 12 19 00-0035	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,835.15	253.95
33 12 19 00-0036	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,866.21	253.95
33 12 19 00-0037	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,915.59	272.08
33 12 19 00-0038	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,964.66	290.23
33 12 19 00-0039	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	2,032.07	326.50
33 12 19 00-0040	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,610.43	203.16
33 12 19 00-0041	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,650.70	203.16
33 12 19 00-0042	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,690.91	203.16
33 12 19 00-0043	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,745.78	217.67
33 12 19 00-0044	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,785.94	217.67
33 12 19 00-0045	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,844.42	235.81
33 12 19 00-0046	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,884.60	235.81
33 12 19 00-0047	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant	1,943.17	253.95
33 12 19 00-0048	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,983.33	253.95
33 12 19 00-0049	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,041.79	272.08
33 12 19 00-0050	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,100.10	290.23
33 12 19 00-0051	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,176.78	326.50

33 12 19 00-0052

Three Way, Modern Model Fire Hydrant (33 12 19 00-0001)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 12 19 00-0053	EA	1-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	1,809.88	203.16
33 12 19 00-0054	EA	2' Burial Section, Three Way, Modern Model Fire Hydrant	1,850.09	203.16
33 12 19 00-0055	EA	2-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	1,890.42	203.16
33 12 19 00-0056	EA	3' Burial Section, Three Way, Modern Model Fire Hydrant	1,945.21	217.67
33 12 19 00-0057	EA	3-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	1,985.45	217.67
33 12 19 00-0058	EA	4' Burial Section, Three Way, Modern Model Fire Hydrant	2,043.85	235.81
33 12 19 00-0059	EA	4-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	2,084.14	235.81
33 12 19 00-0060	EA	5' Burial Section, Three Way, Modern Model Fire Hydrant	2,142.55	253.95
33 12 19 00-0061	EA	5-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	2,182.80	253.95
33 12 19 00-0062	EA	6' Burial Section, Three Way, Modern Model Fire Hydrant	2,241.19	253.95
33 12 19 00-0063	EA	6-1/2' Burial Section, Three Way, Modern Model Fire Hydrant	2,299.72	290.23
33 12 19 00-0064	EA	7' Burial Section, Three Way, Modern Model Fire Hydrant	2,375.76	290.23

33 12 19 00-0065

Two Way, Modern Model Fire Hydrant (33 12 19 00-0001)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 12 19 00-0066	EA		1-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,305.69	203.16
	33 12 19 00-0067	EA		2' Burial Section, Two Way, Modern Model Fire Hydrant	1,336.29	203.16
	33 12 19 00-0068	EA		2-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,367.23	203.16
	33 12 19 00-0069	EA		3' Burial Section, Two Way, Modern Model Fire Hydrant	1,411.98	217.67
	33 12 19 00-0070	EA		3-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,442.57	217.67
	33 12 19 00-0071	EA		4' Burial Section, Two Way, Modern Model Fire Hydrant	1,491.30	235.81
	33 12 19 00-0072	EA		4-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,521.88	235.81
	33 12 19 00-0073	EA		5' Burial Section, Two Way, Modern Model Fire Hydrant	1,570.65	253.95
	33 12 19 00-0074	EA		5-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,601.15	253.95
	33 12 19 00-0075	EA		6' Burial Section, Two Way, Modern Model Fire Hydrant	1,649.88	272.08
	33 12 19 00-0076	EA		6-1/2' Burial Section, Two Way, Modern Model Fire Hydrant	1,698.66	290.23
	33 12 19 00-0077	EA		7' Burial Section, Two Way, Modern Model Fire Hydrant	1,765.14	326.50
	33 12 19 00-0078			Safetop Model With Breakable Section <small>(33 12 19 00-0001)</small>		
				Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
	33 12 19 00-0079	EA		4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	1,987.18	290.23
	33 12 19 00-0080	EA		6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,070.52	290.23
	33 12 19 00-0081	EA		8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,199.01	290.23
	33 12 19 00-0082			Fire Hydrant Extension Kits <small>(33 12 19 00-0001)</small>		
	33 12 19 00-0083	EA		6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	281.66	18.14
	33 12 19 00-0084	EA		12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	336.07	22.67
	33 12 19 00-0085	EA		18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	369.64	27.21
	33 12 19 00-0086	EA		24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	423.44	33.56
	33 12 19 00-0087	EA		30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	619.76	34.92
	33 12 19 00-0088	EA		36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	660.67	36.28
	33 12 19 00-0089	EA		42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	672.30	38.10
	33 12 19 00-0090	EA		48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	710.81	40.82
	33 12 19 00-0091	EA		54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	788.61	48.97
	33 12 19 00-0092	EA		60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	841.28	58.95
	33 12 19 00-0093	EA		6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	313.05	20.31
	33 12 19 00-0094	EA		12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	372.45	24.67
	33 12 19 00-0095	EA		18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	428.90	29.75
	33 12 19 00-0096	EA		24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	483.90	37.01
	33 12 19 00-0097	EA		30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	647.34	38.46
	33 12 19 00-0098	EA		36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	688.86	39.91
	33 12 19 00-0099	EA		42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	718.69	42.08
	33 12 19 00-0100	EA		48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	835.61	44.98
	33 12 19 00-0101	EA		54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	921.48	53.69
	33 12 19 00-0102	EA		60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	978.64	64.58
	33 12 19 00-0103			Remove And Reinstall Standard Fire Hydrant <small>(33 12 19 00-0001)</small>		
				Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
	33 12 19 00-0104	EA		Up To 5' Burial Section, Remove And Reinstall Fire Hydrant	580.44	
	33 12 19 00-0105	EA		>5' Burial Section, Remove And Reinstall Fire Hydrant	846.49	
	33 12 19 00-0106	EA		Reset Fire Hydrant Upper Barrel	719.47	
				Note: Includes Safety Repair Kit		
	33 13			Disinfecting of Water Utility Distribution <small>(33 10)</small>		
	33 13 00 00-0001			Water Main Disinfection/Sterilization <small>(33 13)</small>		
				Note: Gas chlorination. Continuous or plug method.		
	33 13 00 00-0002	EA		Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	741.25	
	33 13 00 00-0003	EA		Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	370.62	
	33 13 00 00-0004	LF		Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.27	
				For >250 To 500, Deduct	-0.01	
				For >500 To 1,000, Deduct	-0.03	
				For >1,000 To 2,000, Deduct	-0.04	
				For >2,000 To 5,000, Deduct	-0.05	
				For >5,000, Deduct	-0.07	
	33 13 00 00-0005	LF		6" Diameter Pipe Water Main Disinfection/Sterilization	0.43	
				For >250 To 500, Deduct	-0.02	
				For >500 To 1,000, Deduct	-0.04	
				For >1,000 To 2,000, Deduct	-0.06	
				For >2,000 To 5,000, Deduct	-0.09	
				For >5,000, Deduct	-0.11	
	33 13 00 00-0006	LF		8" Diameter Pipe Water Main Disinfection/Sterilization	0.56	
				For >250 To 500, Deduct	-0.03	
				For >500 To 1,000, Deduct	-0.06	
				For >1,000 To 2,000, Deduct	-0.08	
				For >2,000 To 5,000, Deduct	-0.11	
				For >5,000, Deduct	-0.14	
	33 13 00 00-0007	LF		10" Diameter Pipe Water Main Disinfection/Sterilization	0.66	
				For >250 To 500, Deduct	-0.03	
				For >500 To 1,000, Deduct	-0.07	
				For >1,000 To 2,000, Deduct	-0.10	
				For >2,000 To 5,000, Deduct	-0.13	
				For >5,000, Deduct	-0.17	

33 Utilities**33 10 Water Utilities****33 13 Disinfecting of Water Utility Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 13 00 00-0008 LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.85	
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.13	
For >2,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.21	
33 13 00 00-0009 LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	0.96	
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.10	
For >1,000 To 2,000, Deduct	-0.14	
For >2,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.24	
33 13 00 00-0010 LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.12	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.28	
33 13 00 00-0011 LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.31	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.33	
33 13 00 00-0012 LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.69	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.25	
For >2,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.42	
33 13 00 00-0013 LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.47	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 2,000, Deduct	-0.37	
For >2,000 To 5,000, Deduct	-0.49	
For >5,000, Deduct	-0.62	
33 13 00 00-0014 LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.43	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 2,000, Deduct	-0.51	
For >2,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-0.86	

33 20 Wells ⁽³³⁾**33 21 Water Supply Wells** ^(33 20)**33 21 13 Public Water Supply Wells** ^(33 21)33 21 13 00-0001 Drill And Test Water Well ^(33 21 13)33 21 13 00-0002 Drill Hole ^(33 21 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization ^(33 21 13 00-0002)

33 21 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	717.21
33 21 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	885.79
33 21 13 00-0006 EA >24" Diameter, Well Drilling Mobilization And Demobilization	1,328.70

33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. ^(33 21 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 21 13 00-0008 LF 6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.17
For >100 To 250, Add	0.43
For >250 To 400, Add	0.86
For >400 To 600, Add	1.29
For >600 To 750, Add	1.72
For >750, Add	2.15
33 21 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.38
For >100 To 250, Add	0.51
For >250 To 400, Add	1.02
For >400 To 600, Add	1.53
For >600 To 750, Add	2.04
For >750, Add	2.55
33 21 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.24
For >100 To 250, Add	0.68
For >250 To 400, Add	1.36
For >400 To 600, Add	2.04
For >600 To 750, Add	2.72
For >750, Add	3.41



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	42.63	
For >100 To 250, Add	1.07	
For >250 To 400, Add	2.13	
For >400 To 600, Add	3.20	
For >600 To 750, Add	4.26	
For >750, Add	5.33	
33 21 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	61.35	
For >100 To 250, Add	1.53	
For >250 To 400, Add	3.07	
For >400 To 600, Add	4.60	
For >600 To 750, Add	6.14	
For >750, Add	7.67	
33 21 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	80.16	
For >100 To 250, Add	2.00	
For >250 To 400, Add	4.01	
For >400 To 600, Add	6.01	
For >600 To 750, Add	8.02	
For >750, Add	10.02	
33 21 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	95.22	
For >100 To 250, Add	2.38	
For >250 To 400, Add	4.76	
For >400 To 600, Add	7.14	
For >600 To 750, Add	9.52	
For >750, Add	11.90	
33 21 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	110.72	
For >100 To 250, Add	2.77	
For >250 To 400, Add	5.54	
For >400 To 600, Add	8.30	
For >600 To 750, Add	11.07	
For >750, Add	13.84	
33 21 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	130.10	
For >100 To 250, Add	3.25	
For >250 To 400, Add	6.51	
For >400 To 600, Add	9.76	
For >600 To 750, Add	13.01	
For >750, Add	16.26	
33 21 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	153.35	
For >100 To 250, Add	3.83	
For >250 To 400, Add	7.67	
For >400 To 600, Add	11.50	
For >600 To 750, Add	15.34	
For >750, Add	19.17	
33 21 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	165.76	
For >100 To 250, Add	4.14	
For >250 To 400, Add	8.29	
For >400 To 600, Add	12.43	
For >600 To 750, Add	16.58	
For >750, Add	20.72	
33 21 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	182.37	
For >100 To 250, Add	4.56	
For >250 To 400, Add	9.12	
For >400 To 600, Add	13.68	
For >600 To 750, Add	18.24	
For >750, Add	22.80	
33 21 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	199.74	
For >100 To 250, Add	4.99	
For >250 To 400, Add	9.99	
For >400 To 600, Add	14.98	
For >600 To 750, Add	19.97	
For >750, Add	24.97	
33 21 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	248.46	
For >100 To 250, Add	6.21	
For >250 To 400, Add	12.42	
For >400 To 600, Add	18.63	
For >600 To 750, Add	24.85	
For >750, Add	31.06	
33 21 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 21 13 00-0002)</small>	34.99	
33 21 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	0.87	
For >100 To 250, Add	1.75	
For >250 To 400, Add	2.62	
For >400 To 600, Add	3.50	
For >600 To 750, Add	4.37	
33 21 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	40.75	
For >100 To 250, Add	1.02	
For >250 To 400, Add	2.04	
For >400 To 600, Add	3.06	
For >600 To 750, Add	4.08	
For >750, Add	5.09	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	65.23	
For >100 To 250, Add	1.63	
For >250 To 400, Add	3.26	
For >400 To 600, Add	4.89	
For >600 To 750, Add	6.52	
For >750, Add	8.15	
33 21 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	85.31	
For >100 To 250, Add	2.13	
For >250 To 400, Add	4.27	
For >400 To 600, Add	6.40	
For >600 To 750, Add	8.53	
For >750, Add	10.66	
33 21 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	122.77	
For >100 To 250, Add	3.07	
For >250 To 400, Add	6.14	
For >400 To 600, Add	9.21	
For >600 To 750, Add	12.28	
For >750, Add	15.35	
33 21 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	160.24	
For >100 To 250, Add	4.01	
For >250 To 400, Add	8.01	
For >400 To 600, Add	12.02	
For >600 To 750, Add	16.02	
For >750, Add	20.03	
33 21 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	190.53	
For >100 To 250, Add	4.76	
For >250 To 400, Add	9.53	
For >400 To 600, Add	14.29	
For >600 To 750, Add	19.05	
For >750, Add	23.82	
33 21 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	221.10	
For >100 To 250, Add	5.53	
For >250 To 400, Add	11.06	
For >400 To 600, Add	16.58	
For >600 To 750, Add	22.11	
For >750, Add	27.64	
33 21 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	260.42	
For >100 To 250, Add	6.51	
For >250 To 400, Add	13.02	
For >400 To 600, Add	19.53	
For >600 To 750, Add	26.04	
For >750, Add	32.55	
33 21 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	300.81	
For >100 To 250, Add	7.52	
For >250 To 400, Add	15.04	
For >400 To 600, Add	22.56	
For >600 To 750, Add	30.08	
For >750, Add	37.60	
33 21 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	331.51	
For >100 To 250, Add	8.29	
For >250 To 400, Add	16.58	
For >400 To 600, Add	24.86	
For >600 To 750, Add	33.15	
For >750, Add	41.44	
33 21 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	364.73	
For >100 To 250, Add	9.12	
For >250 To 400, Add	18.24	
For >400 To 600, Add	27.35	
For >600 To 750, Add	36.47	
For >750, Add	45.59	
33 21 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	399.50	
For >100 To 250, Add	9.99	
For >250 To 400, Add	19.98	
For >400 To 600, Add	29.96	
For >600 To 750, Add	39.95	
For >750, Add	49.94	
33 21 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	496.94	
For >100 To 250, Add	12.42	
For >250 To 400, Add	24.85	
For >400 To 600, Add	37.27	
For >600 To 750, Add	49.69	
For >750, Add	62.12	
33 21 13 00-0037 Drill Hole In Crystalline Rock (33 21 13 00-0002)		
33 21 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock	71.98	
For >100 To 250, Add	1.80	
For >250 To 400, Add	3.60	
For >400 To 600, Add	5.40	
For >600 To 750, Add	7.20	
For >750, Add	9.00	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	83.04	
For >100 To 250, Add	2.08	
For >250 To 400, Add	4.15	
For >400 To 600, Add	6.23	
For >600 To 750, Add	8.30	
For >750, Add	10.38	
33 21 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	95.22	
For >100 To 250, Add	2.38	
For >250 To 400, Add	4.76	
For >400 To 600, Add	7.14	
For >600 To 750, Add	9.52	
For >750, Add	11.90	
33 21 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	120.69	
For >100 To 250, Add	3.02	
For >250 To 400, Add	6.03	
For >400 To 600, Add	9.05	
For >600 To 750, Add	12.07	
For >750, Add	15.09	
33 21 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	156.12	
For >100 To 250, Add	3.90	
For >250 To 400, Add	7.81	
For >400 To 600, Add	11.71	
For >600 To 750, Add	15.61	
For >750, Add	19.52	
33 21 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	226.98	
For >100 To 250, Add	5.67	
For >250 To 400, Add	11.35	
For >400 To 600, Add	17.02	
For >600 To 750, Add	22.70	
For >750, Add	28.37	
33 21 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	270.17	
For >100 To 250, Add	6.75	
For >250 To 400, Add	13.51	
For >400 To 600, Add	20.26	
For >600 To 750, Add	27.02	
For >750, Add	33.77	
33 21 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	313.36	
For >100 To 250, Add	7.83	
For >250 To 400, Add	15.67	
For >400 To 600, Add	23.50	
For >600 To 750, Add	31.34	
For >750, Add	39.17	
33 21 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	368.71	
For >100 To 250, Add	9.22	
For >250 To 400, Add	18.44	
For >400 To 600, Add	27.65	
For >600 To 750, Add	36.87	
For >750, Add	46.09	
33 21 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	426.29	
For >100 To 250, Add	10.66	
For >250 To 400, Add	21.31	
For >400 To 600, Add	31.97	
For >600 To 750, Add	42.63	
For >750, Add	53.29	
33 21 13 00-0048 Furnish And Install Casing <small>(33 21 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 21 13 00-0049 Steel Well Casing <small>(33 21 13 00-0048)</small>		
33 21 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	27.86	
For >100 To 250, Deduct	-0.86	
For >250 To 400, Deduct	-1.56	
For >400 To 600, Deduct	-2.34	
For >600 To 750, Deduct	-3.12	
For >750, Deduct	-4.11	
33 21 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	34.65	
For >100 To 250, Deduct	-1.07	
For >250 To 400, Deduct	-1.94	
For >400 To 600, Deduct	-2.91	
For >600 To 750, Deduct	-3.88	
For >750, Deduct	-5.12	
33 21 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	50.85	
For >100 To 250, Deduct	-1.52	
For >250 To 400, Deduct	-2.79	
For >400 To 600, Deduct	-4.19	
For >600 To 750, Deduct	-5.58	
For >750, Deduct	-7.30	
33 21 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	84.39	
For >100 To 250, Deduct	-2.41	
For >250 To 400, Deduct	-4.52	
For >400 To 600, Deduct	-6.78	
For >600 To 750, Deduct	-9.04	
For >750, Deduct	-11.68	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush	95.28	
For >100 To 250, Deduct	-2.80	
For >250 To 400, Deduct	-5.18	
For >400 To 600, Deduct	-7.77	
For >600 To 750, Deduct	-10.36	
For >750, Deduct	-13.49	
33 21 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush	112.07	
For >100 To 250, Deduct	-3.32	
For >250 To 400, Deduct	-6.12	
For >400 To 600, Deduct	-9.18	
For >600 To 750, Deduct	-12.24	
For >750, Deduct	-15.97	
33 21 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush	128.33	
For >100 To 250, Deduct	-3.86	
For >250 To 400, Deduct	-7.06	
For >400 To 600, Deduct	-10.60	
For >600 To 750, Deduct	-14.13	
For >750, Deduct	-18.50	
33 21 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush	146.77	
For >100 To 250, Deduct	-4.47	
For >250 To 400, Deduct	-8.14	
For >400 To 600, Deduct	-12.20	
For >600 To 750, Deduct	-16.27	
For >750, Deduct	-21.38	
33 21 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush	171.26	
For >100 To 250, Deduct	-5.18	
For >250 To 400, Deduct	-9.46	
For >400 To 600, Deduct	-14.19	
For >600 To 750, Deduct	-18.92	
For >750, Deduct	-24.82	
33 21 13 00-0059 LB Steel Well Casing, Furnish And Install	0.95	
For >100 To 250, Deduct	-0.04	
For >250 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 750, Deduct	-0.12	
For >750, Deduct	-0.16	
33 21 13 00-0060 Stainless Steel Well Casing, Flush Threaded <small>(33 21 13 00-0048)</small>		
33 21 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush	55.59	
For >100 To 250, Deduct	-1.56	
For >250 To 400, Deduct	-2.95	
For >400 To 600, Deduct	-4.42	
For >600 To 750, Deduct	-5.89	
For >750, Deduct	-7.58	
33 21 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	83.25	
For >100 To 250, Deduct	-2.29	
For >250 To 400, Deduct	-4.37	
For >400 To 600, Deduct	-6.56	
For >600 To 750, Deduct	-8.74	
For >750, Deduct	-11.20	
33 21 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	116.18	
For >100 To 250, Deduct	-3.17	
For >250 To 400, Deduct	-6.08	
For >400 To 600, Deduct	-9.11	
For >600 To 750, Deduct	-12.15	
For >750, Deduct	-15.53	
33 21 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	135.15	
For >100 To 250, Deduct	-3.69	
For >250 To 400, Deduct	-7.07	
For >400 To 600, Deduct	-10.61	
For >600 To 750, Deduct	-14.15	
For >750, Deduct	-18.09	
33 21 13 00-0065 Stainless Steel Well Casing, Welded Ring <small>(33 21 13 00-0048)</small>		
33 21 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	124.15	
For >100 To 250, Deduct	-3.57	
For >250 To 400, Deduct	-6.67	
For >400 To 600, Deduct	-10.01	
For >600 To 750, Deduct	-13.35	
For >750, Deduct	-17.29	
33 21 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	143.79	
For >100 To 250, Deduct	-4.13	
For >250 To 400, Deduct	-7.72	
For >400 To 600, Deduct	-11.58	
For >600 To 750, Deduct	-15.44	
For >750, Deduct	-19.99	
33 21 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	172.57	
For >100 To 250, Deduct	-4.91	
For >250 To 400, Deduct	-9.23	
For >400 To 600, Deduct	-13.84	
For >600 To 750, Deduct	-18.45	
For >750, Deduct	-23.84	



	Utilities	33	
	Wells	33 20	CS
	Water Supply Wells	33 21	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
33 21 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	197.57	
For >100 To 250, Deduct	-5.62	
For >250 To 400, Deduct	-10.56	
For >400 To 600, Deduct	-15.84	
For >600 To 750, Deduct	-21.12	
For >750, Deduct	-27.29	
33 21 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	218.33	
For >100 To 250, Deduct	-6.24	
For >250 To 400, Deduct	-11.70	
For >400 To 600, Deduct	-17.55	
For >600 To 750, Deduct	-23.40	
For >750, Deduct	-30.26	
33 21 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	285.57	
For >100 To 250, Deduct	-8.07	
For >250 To 400, Deduct	-15.21	
For >400 To 600, Deduct	-22.81	
For >600 To 750, Deduct	-30.42	
For >750, Deduct	-39.23	
33 21 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	375.90	
For >100 To 250, Deduct	-10.56	
For >250 To 400, Deduct	-19.96	
For >400 To 600, Deduct	-29.94	
For >600 To 750, Deduct	-39.92	
For >750, Deduct	-51.41	
33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 21 13 00-0048)</small>		
33 21 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	22.45	
For >100 To 250, Deduct	-0.69	
For >250 To 400, Deduct	-1.26	
For >400 To 600, Deduct	-1.88	
For >600 To 750, Deduct	-2.51	
For >750, Deduct	-3.31	
33 21 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	35.60	
For >100 To 250, Deduct	-1.10	
For >250 To 400, Deduct	-1.99	
For >400 To 600, Deduct	-2.98	
For >600 To 750, Deduct	-3.98	
For >750, Deduct	-5.24	
33 21 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	53.83	
For >100 To 250, Deduct	-1.66	
For >250 To 400, Deduct	-3.01	
For >400 To 600, Deduct	-4.51	
For >600 To 750, Deduct	-6.01	
For >750, Deduct	-7.93	
33 21 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	63.68	
For >100 To 250, Deduct	-1.97	
For >250 To 400, Deduct	-3.57	
For >400 To 600, Deduct	-5.35	
For >600 To 750, Deduct	-7.13	
For >750, Deduct	-9.41	
33 21 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 21 13 00-0001)</small>		
33 21 13 00-0079 Stainless Steel Well Screen <small>(33 21 13 00-0078)</small>		
33 21 13 00-0080 LF 2" Stainless Steel Well Screen	17.89	1.32
For >100 To 250, Deduct	-0.62	
For >250 To 400, Deduct	-1.06	
For >400 To 600, Deduct	-1.60	
For >600 To 750, Deduct	-2.13	
For >750, Deduct	-2.88	
33 21 13 00-0081 LF 3" Stainless Steel Well Screen	27.98	1.32
For >100 To 250, Deduct	-0.88	
For >250 To 400, Deduct	-1.58	
For >400 To 600, Deduct	-2.37	
For >600 To 750, Deduct	-3.17	
For >750, Deduct	-4.20	
33 21 13 00-0082 LF 4" Stainless Steel Well Screen	35.15	2.00
For >100 To 250, Deduct	-1.11	
For >250 To 400, Deduct	-1.99	
For >400 To 600, Deduct	-2.99	
For >600 To 750, Deduct	-3.98	
For >750, Deduct	-5.28	
33 21 13 00-0083 LF 5" Stainless Steel Well Screen	44.36	2.00
For >100 To 250, Deduct	-1.39	
For >250 To 400, Deduct	-2.50	
For >400 To 600, Deduct	-3.74	
For >600 To 750, Deduct	-4.99	
For >750, Deduct	-6.60	
33 21 13 00-0084 LF 6" Stainless Steel Well Screen	53.39	2.66
For >100 To 250, Deduct	-1.70	
For >250 To 400, Deduct	-3.04	
For >400 To 600, Deduct	-4.56	
For >600 To 750, Deduct	-6.08	
For >750, Deduct	-8.08	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0085 LF 8" Stainless Steel Well Screen.....	69.64	3.32
For >100 To 250, Deduct	-2.21	
For >250 To 400, Deduct	-3.95	
For >400 To 600, Deduct	-5.93	
For >600 To 750, Deduct	-7.91	
For >750, Deduct	-10.50	
33 21 13 00-0086 LF 10" Stainless Steel Well Screen.....	88.55	5.32
For >100 To 250, Deduct	-2.85	
For >250 To 400, Deduct	-5.07	
For >400 To 600, Deduct	-7.60	
For >600 To 750, Deduct	-10.13	
For >750, Deduct	-13.49	
33 21 13 00-0087 LF 12" Stainless Steel Well Screen.....	103.87	6.64
For >100 To 250, Deduct	-3.34	
For >250 To 400, Deduct	-5.94	
For >400 To 600, Deduct	-8.91	
For >600 To 750, Deduct	-11.88	
For >750, Deduct	-15.81	
33 21 13 00-0088 LF 14" Stainless Steel Well Screen.....	114.22	7.32
For >100 To 250, Deduct	-3.71	
For >250 To 400, Deduct	-6.57	
For >400 To 600, Deduct	-9.85	
For >600 To 750, Deduct	-13.14	
For >750, Deduct	-17.53	
33 21 13 00-0089 LF 16" Stainless Steel Well Screen.....	123.80	8.64
For >100 To 250, Deduct	-4.06	
For >250 To 400, Deduct	-7.15	
For >400 To 600, Deduct	-10.73	
For >600 To 750, Deduct	-14.31	
For >750, Deduct	-19.14	
33 21 13 00-0090 LF 18" Stainless Steel Well Screen.....	148.75	9.97
For >100 To 250, Deduct	-4.91	
For >250 To 400, Deduct	-8.62	
For >400 To 600, Deduct	-12.94	
For >600 To 750, Deduct	-17.25	
For >750, Deduct	-23.10	
33 21 13 00-0091 LF 20" Stainless Steel Well Screen.....	187.59	12.63
For >100 To 250, Deduct	-6.18	
For >250 To 400, Deduct	-10.87	
For >400 To 600, Deduct	-16.31	
For >600 To 750, Deduct	-21.74	
For >750, Deduct	-29.12	
33 21 13 00-0092 LF 24" Stainless Steel Well Screen.....	243.44	16.62
For >100 To 250, Deduct	-8.04	
For >250 To 400, Deduct	-14.13	
For >400 To 600, Deduct	-21.19	
For >600 To 750, Deduct	-28.25	
For >750, Deduct	-37.86	
33 21 13 00-0093 LF 26" Stainless Steel Well Screen.....	280.53	19.28
For >100 To 250, Deduct	-9.23	
For >250 To 400, Deduct	-16.24	
For >400 To 600, Deduct	-24.36	
For >600 To 750, Deduct	-32.48	
For >750, Deduct	-43.49	
33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 21 13 00-0078)</small>		
33 21 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.00	
For >100 To 250, Deduct	-0.31	
For >250 To 400, Deduct	-0.51	
For >400 To 600, Deduct	-0.77	
For >600 To 750, Deduct	-1.03	
For >750, Deduct	-1.44	
For Schedule 80, Add	1.36	
33 21 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.99	
For >100 To 250, Deduct	-0.35	
For >250 To 400, Deduct	-0.57	
For >400 To 600, Deduct	-0.86	
For >600 To 750, Deduct	-1.14	
For >750, Deduct	-1.59	
For Schedule 80, Add	1.64	
33 21 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	13.52	
For >100 To 250, Deduct	-0.56	
For >250 To 400, Deduct	-0.89	
For >400 To 600, Deduct	-1.34	
For >600 To 750, Deduct	-1.79	
For >750, Deduct	-2.52	
For Schedule 80, Add	1.91	
33 21 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	18.31	
For >100 To 250, Deduct	-0.69	
For >250 To 400, Deduct	-1.15	
For >400 To 600, Deduct	-1.73	
For >600 To 750, Deduct	-2.30	
For >750, Deduct	-3.19	
For Schedule 80, Add	3.54	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	23.06	
For >100 To 250, Deduct	-0.88	
For >250 To 400, Deduct	-1.45	
For >400 To 600, Deduct	-2.18	
For >600 To 750, Deduct	-2.90	
For >750, Deduct	-4.02	
For Schedule 80, Add	4.44	
33 21 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	28.55	
For >100 To 250, Deduct	-1.07	
For >250 To 400, Deduct	-1.78	
For >400 To 600, Deduct	-2.67	
For >600 To 750, Deduct	-3.57	
For >750, Deduct	-4.92	
For Schedule 80, Add	5.73	
33 21 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	32.96	
For >100 To 250, Deduct	-1.30	
For >250 To 400, Deduct	-2.12	
For >400 To 600, Deduct	-3.18	
For >600 To 750, Deduct	-4.25	
For >750, Deduct	-5.92	
For Schedule 80, Add	5.59	
33 21 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	46.09	
For >100 To 250, Deduct	-1.76	
For >250 To 400, Deduct	-2.91	
For >400 To 600, Deduct	-4.37	
For >600 To 750, Deduct	-5.82	
For >750, Deduct	-8.07	
For Schedule 80, Add	8.73	
33 21 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 21 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 21 13 00-0104 Artificial Gravel Pack <small>(33 21 13 00-0103)</small>		
Note: Excludes casing.		
33 21 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	12.43	
For >100 To 250, Deduct	-0.50	
For >250 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.22	
For >600 To 750, Deduct	-1.63	
For >750, Deduct	-2.28	
33 21 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	18.51	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.23	
For >400 To 600, Deduct	-1.84	
For >600 To 750, Deduct	-2.45	
For >750, Deduct	-3.45	
33 21 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	26.08	
For >100 To 250, Deduct	-1.10	
For >250 To 400, Deduct	-1.75	
For >400 To 600, Deduct	-2.63	
For >600 To 750, Deduct	-3.50	
For >750, Deduct	-4.96	
33 21 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	33.25	
For >100 To 250, Deduct	-1.39	
For >250 To 400, Deduct	-2.22	
For >400 To 600, Deduct	-3.32	
For >600 To 750, Deduct	-4.43	
For >750, Deduct	-6.26	
33 21 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	40.80	
For >100 To 250, Deduct	-1.68	
For >250 To 400, Deduct	-2.70	
For >400 To 600, Deduct	-4.05	
For >600 To 750, Deduct	-5.40	
For >750, Deduct	-7.62	
33 21 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	52.43	
For >100 To 250, Deduct	-2.13	
For >250 To 400, Deduct	-3.44	
For >400 To 600, Deduct	-5.16	
For >600 To 750, Deduct	-6.88	
For >750, Deduct	-9.66	
33 21 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	59.98	
For >100 To 250, Deduct	-2.42	
For >250 To 400, Deduct	-3.92	
For >400 To 600, Deduct	-5.88	
For >600 To 750, Deduct	-7.85	
For >750, Deduct	-11.01	
33 21 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	71.54	
For >100 To 250, Deduct	-2.92	
For >250 To 400, Deduct	-4.70	
For >400 To 600, Deduct	-7.06	
For >600 To 750, Deduct	-9.41	
For >750, Deduct	-13.23	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	81.11	
For >100 To 250, Deduct	-3.32	
For >250 To 400, Deduct	-5.35	
For >400 To 600, Deduct	-8.02	
For >600 To 750, Deduct	-10.70	
For >750, Deduct	-15.05	
33 21 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	86.98	
For >100 To 250, Deduct	-3.53	
For >250 To 400, Deduct	-5.70	
For >400 To 600, Deduct	-8.55	
For >600 To 750, Deduct	-11.40	
For >750, Deduct	-16.01	
33 21 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	104.22	
For >100 To 250, Deduct	-4.27	
For >250 To 400, Deduct	-6.87	
For >400 To 600, Deduct	-10.31	
For >600 To 750, Deduct	-13.75	
For >750, Deduct	-19.34	
33 21 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	121.60	
For >100 To 250, Deduct	-5.07	
For >250 To 400, Deduct	-8.11	
For >400 To 600, Deduct	-12.16	
For >600 To 750, Deduct	-16.21	
For >750, Deduct	-22.90	
33 21 13 00-0117 Develop Well <small>(33 21 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process.		
33 21 13 00-0118 HR Develop Well.....	251.38	
33 21 13 00-0119 Pump Test <small>(33 21 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 21 13 00-0120 HR Pump Test Well.....	225.66	
33 21 13 00-0121 Test Well <small>(33 21 13 00-0001)</small>		
33 21 13 00-0122 VLF 2-1/2" Diameter Test Well.....	71.99	
33 21 13 00-0123 Surface Seal, Concrete Filled <small>(33 21 13)</small>		
33 21 13 00-0124 SF Surface Seal Well, Concrete Filled.....	23.54	
33 21 13 00-0125 Other Water Well <small>(33 21 13)</small>		
33 21 13 00-0126 SF Patch Hole In Well Casing.....	68.00	
33 21 13 00-0127 SF 1/2" Pressure Grout Well.....	1.79	
33 21 13 00-0128 SF 1" Pressure Grout Well.....	2.89	
33 21 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.15	
33 21 13 00-0130 Sterilization Of Well <small>(33 21 13)</small>		
33 21 13 00-0131 EA Well Sterilization, Chlorine.....	1,259.67	
33 21 13 00-0132 Submersible Well Pumps <small>(33 21 13)</small>		
Note: Includes pump end, motor and control box.		
33 21 13 00-0133 4" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,089.31	338.29
33 21 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,244.96	374.95
33 21 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,381.43	416.61
33 21 13 00-0138 Stainless Steel Case And Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,254.34	333.29
33 21 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,433.74	374.95
33 21 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,609.75	416.61
33 21 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,855.83	458.28
33 21 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,112.09	499.94
33 21 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,617.83	583.26
33 21 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,334.93	666.58
33 21 13 00-0146 6" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,126.81	833.23
33 21 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,633.57	916.55
33 21 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,162.01	999.87
33 21 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	5,305.73	1,166.52



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 26 Relief Wells (33 20)

33 26 00 00-0001 Drainage Wells (33 26)

33 26 00 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner.....	20.76	
33 26 00 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner.....	25.03	
33 26 00 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner.....	32.89	

33 30 Sanitary Sewerage Utilities (33)

33 31 Sanitary Utility Sewerage Piping (33 30)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 00 00-0001 Cast Iron Service Saddles With U Bolt (33 31)

33 31 00 00-0002	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	85.81	
33 31 00 00-0003	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	86.48	
33 31 00 00-0004	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	94.76	
33 31 00 00-0005	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	92.50	
33 31 00 00-0006	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	105.40	
33 31 00 00-0007	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	119.97	
33 31 00 00-0008	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	142.67	
33 31 00 00-0009	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	122.70	
33 31 00 00-0010	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	130.26	
33 31 00 00-0011	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	154.12	
33 31 00 00-0012	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	135.45	
33 31 00 00-0013	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	96.31	
33 31 00 00-0014	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	104.59	
33 31 00 00-0015	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	128.86	
33 31 00 00-0016	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	153.60	
33 31 00 00-0017	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	167.73	

33 31 00 00-0018 Plastic Sewer And Drain Piping (33 31)

33 31 00 00-0019 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 00 00-0018)

33 31 00 00-0020	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.04	2.39
33 31 00 00-0021	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.90	2.91
33 31 00 00-0022	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.38	4.13
33 31 00 00-0023	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.44	4.50
33 31 00 00-0024	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.59	5.80
33 31 00 00-0025	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.14	7.77
33 31 00 00-0026	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.03	10.31

33 31 00 00-0027 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 00 00-0018)

Note: D-2729 PVC pipe.				
33 31 00 00-0028	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.99	4.26
33 31 00 00-0029	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.75	5.39
33 31 00 00-0030	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.44	8.08

33 31 00 00-0031 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 00 00-0018)

33 31 00 00-0032 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)

33 31 00 00-0033	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	14.98	9.65
33 31 00 00-0034	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.31	12.49
33 31 00 00-0035	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.10	16.76
33 31 00 00-0036	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.10	19.38
33 31 00 00-0037	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	62.52	25.19
33 31 00 00-0038	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.14	33.90
33 31 00 00-0039	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	123.56	45.16

33 31 00 00-0040 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)

33 31 00 00-0041	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.09	9.65
33 31 00 00-0042	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.30	12.49
33 31 00 00-0043	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	26.94	16.76
33 31 00 00-0044	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.28	19.38
33 31 00 00-0045	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	60.43	25.19
33 31 00 00-0046	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	88.28	33.90
33 31 00 00-0047	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	109.26	45.16

33 31 00 00-0048 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)

33 31 00 00-0049	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.15	9.51
33 31 00 00-0050	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.09	12.49
33 31 00 00-0051	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	29.68	17.13

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0052 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.08	20.91
33 31 00 00-0053 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.78	24.17
33 31 00 00-0054 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	74.33	27.58
33 31 00 00-0055 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.92	32.16
33 31 00 00-0056 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0057 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.33	9.65
33 31 00 00-0058 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.54	12.49
33 31 00 00-0059 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.63	16.76
33 31 00 00-0060 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.57	19.38
33 31 00 00-0061 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	69.47	25.19
33 31 00 00-0062 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.26	33.90
33 31 00 00-0063 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	125.85	45.16
33 31 00 00-0064 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0065 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	19.66	12.49
33 31 00 00-0066 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	28.85	17.13
33 31 00 00-0067 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	28.34	17.13
33 31 00 00-0068 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	34.17	19.38
33 31 00 00-0069 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	34.41	19.38
33 31 00 00-0070 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	59.59	25.19
33 31 00 00-0071 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	94.17	29.76
33 31 00 00-0072 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	105.63	53.79
33 31 00 00-0073 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	119.61	53.79
33 31 00 00-0074 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	114.08	53.79
33 31 00 00-0075 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0076 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	22.74	14.59
33 31 00 00-0077 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	29.50	18.87
33 31 00 00-0078 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	40.68	24.90
33 31 00 00-0079 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	52.65	30.93
33 31 00 00-0080 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	87.47	33.90
33 31 00 00-0081 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	115.12	45.16
33 31 00 00-0082 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0083 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	23.60	14.59
33 31 00 00-0084 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	30.01	18.87
33 31 00 00-0085 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	41.33	24.90
33 31 00 00-0086 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	53.70	30.93
33 31 00 00-0087 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	83.51	33.90
33 31 00 00-0088 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	107.62	45.16
33 31 00 00-0089 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	142.64	60.25
33 31 00 00-0090 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0091 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	24.96	14.59
33 31 00 00-0092 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	31.33	18.87
33 31 00 00-0093 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	40.43	24.90
33 31 00 00-0094 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	52.26	30.93
33 31 00 00-0095 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	53.25	30.93
33 31 00 00-0096 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0097 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	31.96	18.87
33 31 00 00-0098 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	42.13	24.90
33 31 00 00-0099 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	62.65	33.61
33 31 00 00-0100 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	85.87	40.65
33 31 00 00-0101 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	41.72	24.90
33 31 00 00-0102 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	59.52	33.61
33 31 00 00-0103 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	80.69	40.65
33 31 00 00-0104 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0105 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.68	14.59
33 31 00 00-0106 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.69	18.87
33 31 00 00-0107 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	46.41	24.90
33 31 00 00-0108 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.09	30.93
33 31 00 00-0109 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.37	18.87
33 31 00 00-0110 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	49.74	24.90
33 31 00 00-0111 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	45.10	24.90
33 31 00 00-0112 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	63.53	30.93
33 31 00 00-0113 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.96	30.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0114	Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0115 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.80	18.87
33 31 00 00-0116 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.22	24.90
33 31 00 00-0117 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.80	33.61
33 31 00 00-0118 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.34	40.65
33 31 00 00-0119 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	228.54	45.01
33 31 00 00-0120	Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0121 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	144.04	77.72
33 31 00 00-0122 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	230.15	100.26
33 31 00 00-0123 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	311.30	141.29
33 31 00 00-0124 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	472.61	227.29
33 31 00 00-0125	Couplings, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0126 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	14.94	9.65
33 31 00 00-0127 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.07	12.41
33 31 00 00-0128 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.19	16.62
33 31 00 00-0129 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.04	19.38
33 31 00 00-0130 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	48.84	25.19
33 31 00 00-0131 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	82.69	33.90
33 31 00 00-0132 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.15	45.16
33 31 00 00-0133	Adapters, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0134 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	83.00	52.54
33 31 00 00-0135 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting.....	61.31	39.96
33 31 00 00-0136 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting.....	61.92	39.96
33 31 00 00-0137 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting.....	63.56	39.96
33 31 00 00-0138 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	83.45	52.54
33 31 00 00-0139 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	82.14	52.54
33 31 00 00-0140 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	79.98	52.54
33 31 00 00-0141 EA 4" Drain Grate, Drain And Sewer Fitting.....	42.06	27.02
33 31 00 00-0142	Caps, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0143 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	19.35	10.38
33 31 00 00-0144 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	27.85	12.93
33 31 00 00-0145 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	45.34	16.69
33 31 00 00-0146	Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>	
33 31 00 00-0147 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.24	9.65
33 31 00 00-0148 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.72	12.49
33 31 00 00-0149 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	27.62	16.76
33 31 00 00-0150 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.71	19.38
33 31 00 00-0151 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.13	25.19
33 31 00 00-0152 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	130.16	33.90
33 31 00 00-0153	Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 00 00-0018)</small> Note: ASTM 3034.	
33 31 00 00-0154 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	7.82	3.45
33 31 00 00-0155 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	10.21	3.72
33 31 00 00-0156 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	13.49	4.06
33 31 00 00-0157 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	18.02	4.78
33 31 00 00-0158 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	22.42	4.93
33 31 00 00-0159 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	34.83	8.12
33 31 00 00-0160 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	46.86	10.44
33 31 00 00-0161 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	60.91	12.18
33 31 00 00-0162 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	74.08	13.92
33 31 00 00-0163 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	90.28	15.66
33 31 00 00-0164	Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 00 00-0018)</small> Note: ASTM 3034.	
33 31 00 00-0165 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	6.95	3.45
33 31 00 00-0166 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	8.65	3.72
33 31 00 00-0167 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	10.95	4.06
33 31 00 00-0168	Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings <small>(33 31 00 00-0018)</small> Note: ASTM 3034.	
33 31 00 00-0169	1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0168)</small>	
33 31 00 00-0170 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	44.94	17.79
33 31 00 00-0171 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	62.60	20.69

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0172 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	117.06	23.45
33 31 00 00-0173 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	307.54	27.58
33 31 00 00-0174 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	397.07	35.16
33 31 00 00-0175 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0176 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	41.79	17.79
33 31 00 00-0177 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	59.13	20.69
33 31 00 00-0178 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	108.31	23.45
33 31 00 00-0179 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	225.07	27.58
33 31 00 00-0180 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	318.65	35.16
33 31 00 00-0181 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	665.03	49.65
33 31 00 00-0182 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,049.20	70.34
33 31 00 00-0183 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,733.52	93.09
33 31 00 00-0184 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,361.72	124.12
33 31 00 00-0185 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0186 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	67.86	26.69
33 31 00 00-0187 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	99.90	29.58
33 31 00 00-0188 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	110.72	31.03
33 31 00 00-0189 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	120.98	32.48
33 31 00 00-0190 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	136.26	33.92
33 31 00 00-0191 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	240.36	35.38
33 31 00 00-0192 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	301.51	36.20
33 31 00 00-0193 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	339.54	37.93
33 31 00 00-0194 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	489.79	39.37
33 31 00 00-0195 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	631.49	41.37
33 31 00 00-0196 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	370.65	44.07
33 31 00 00-0197 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	392.60	45.51
33 31 00 00-0198 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	547.68	46.96
33 31 00 00-0199 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	776.89	48.96
33 31 00 00-0200 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	873.82	52.76
33 31 00 00-0201 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0202 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	65.42	26.69
33 31 00 00-0203 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	91.77	29.58
33 31 00 00-0204 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	99.81	31.03
33 31 00 00-0205 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	117.50	32.48
33 31 00 00-0206 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	132.11	33.92
33 31 00 00-0207 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	190.71	35.38
33 31 00 00-0208 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	278.11	36.48
33 31 00 00-0209 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	284.19	37.93
33 31 00 00-0210 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	415.27	39.37
33 31 00 00-0211 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	458.01	41.37
33 31 00 00-0212 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	350.98	44.07
33 31 00 00-0213 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	362.04	45.51
33 31 00 00-0214 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	505.80	46.96
33 31 00 00-0215 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	604.15	48.96
33 31 00 00-0216 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	631.95	52.76
33 31 00 00-0217 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	777.72	63.45
33 31 00 00-0218 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	860.64	67.23
33 31 00 00-0219 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,069.36	74.48
33 31 00 00-0220 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0221 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	44.66	17.79
33 31 00 00-0222 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	64.45	20.69
33 31 00 00-0223 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	90.20	23.59
33 31 00 00-0224 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	158.96	27.58
33 31 00 00-0225 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	222.76	35.16
33 31 00 00-0226 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	422.36	49.65
33 31 00 00-0227 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	778.33	70.34
33 31 00 00-0228 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,281.82	93.09
33 31 00 00-0229 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,848.19	124.12
33 31 00 00-0230 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0231 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	75.15	19.24
33 31 00 00-0232 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	102.87	20.69
33 31 00 00-0233 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	108.70	22.13
33 31 00 00-0234 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	226.91	24.13
33 31 00 00-0235 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	259.28	25.59
33 31 00 00-0236 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	289.27	27.93
33 31 00 00-0237 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	330.14	29.38
33 31 00 00-0238 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	376.91	31.38
33 31 00 00-0239 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	564.12	42.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0240 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0168)</small>		
33 31 00 00-0241 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	65.50	
33 31 00 00-0242 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	84.77	
33 31 00 00-0243 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	86.28	
33 31 00 00-0244 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	134.36	
33 31 00 00-0245 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	140.66	
33 31 00 00-0246 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	249.03	
33 31 00 00-0247 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	154.54	
33 31 00 00-0248 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	166.35	
33 31 00 00-0249 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	341.32	
33 31 00 00-0250 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	398.19	
33 31 00 00-0251 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.84	
33 31 00 00-0252 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	194.15	
33 31 00 00-0253 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0168)</small>		
33 31 00 00-0254 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	69.03	
33 31 00 00-0255 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	84.77	
33 31 00 00-0256 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	91.08	
33 31 00 00-0257 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	125.01	
33 31 00 00-0258 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	139.90	
33 31 00 00-0259 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	201.99	
33 31 00 00-0260 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	153.79	
33 31 00 00-0261 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	165.64	
33 31 00 00-0262 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	236.00	
33 31 00 00-0263 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	281.92	
33 31 00 00-0264 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.38	
33 31 00 00-0265 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	190.66	
33 31 00 00-0266 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	294.69	
33 31 00 00-0267 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	322.40	
33 31 00 00-0268 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	441.50	
33 31 00 00-0269 Couplings And Plug Fittings <small>(33 31)</small>		
33 31 00 00-0270 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 00 00-0269)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.		
33 31 00 00-0271 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.58	4.96
33 31 00 00-0272 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	14.87	5.79
33 31 00 00-0273 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.12	6.61
33 31 00 00-0274 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	19.35	7.03
33 31 00 00-0275 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	23.45	7.44
33 31 00 00-0276 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	27.59	8.26
33 31 00 00-0277 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	34.72	9.09
33 31 00 00-0278 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	42.54	9.50
33 31 00 00-0279 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	81.29	9.92
33 31 00 00-0280 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	111.37	10.74
33 31 00 00-0281 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	216.89	11.16
33 31 00 00-0282 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	252.28	11.78
33 31 00 00-0283 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	279.65	12.40
33 31 00 00-0284 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	335.29	13.22
33 32 Wastewater Utility Pumping Stations <small>(33 30)</small>		
33 32 16 Packaged Utility Wastewater Pumping Stations <small>(33 32)</small>		
33 32 16 13 Packaged Sewage Grinder Pumping Units <small>(33 32 16)</small>		
33 32 16 13-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16 13)</small>		
33 32 16 13-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,905.71	244.06
Note: Zoeller 840 series.		
33 32 16 13-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,876.41	244.06
Note: Zoeller 840 series.		
33 32 16 13-0004 EA Simplex Control Panel With Auto Reversing Switch.....	923.56	81.33
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,468.12	81.33
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V Environment One Model 2012-74.....	7,114.45	
33 32 16 13-0007 Submersible Grinder Pumps <small>(33 32 16 13)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 13-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,300.71	499.94
33 32 16 13-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,044.12	583.26
33 32 16 13-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,152.83	749.91

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 39 Sanitary Utility Sewerage Structures** (33 39)**33 39 13 Sanitary Utility Sewerage Manholes, Frames, And Covers** (33 39)

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill, 33 44 19 00-0000 for oil separators.

33 39 13 00-0001	Manholes (33 39 13)		
33 39 13 00-0002	Cast In Place Concrete, 8" Thick (33 39 13 00-0001) Note: Includes base, wall, top and block-out for openings.		
33 39 13 00-0003	48" Diameter (33 39 13 00-0002)		
33 39 13 00-0004	EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	1,445.31	472.35
33 39 13 00-0005	EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	1,993.08	646.23
33 39 13 00-0006	EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	2,838.16	968.78
33 39 13 00-0007	VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	350.76	121.14
33 39 13 00-0008	Precast Concrete Manholes (33 39 13 00-0001) Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.		
33 39 13 00-0009	3' Diameter, 8" Thick Walls (33 39 13 00-0008)		
33 39 13 00-0010	EA 3' Diameter x 4' Deep Precast Manhole 8" Thick.....	922.77	223.56
	For 6" Thick Wall, Deduct	-69.92	
33 39 13 00-0011	EA 3' Diameter x 6' Deep Precast Manhole 8" Thick.....	1,287.35	305.73
	For 6" Thick Wall, Deduct	-98.16	
33 39 13 00-0012	EA 3' Diameter x 8' Deep Precast Manhole 8" Thick.....	1,793.36	458.59
	For 6" Thick Wall, Deduct	-133.48	
33 39 13 00-0013	VLF 3' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'.....	221.05	61.14
	For 6" Thick Wall, Deduct	-16.37	
33 39 13 00-0014	3'-6" Diameter, 8" Thick Walls (33 39 13 00-0008)		
33 39 13 00-0015	EA 3'-6" Diameter x 4' Deep Precast Manhole 8" Thick.....	1,035.77	233.12
	For 6" Thick Wall, Deduct	-80.27	
33 39 13 00-0016	EA 3'-6" Diameter x 6' Deep Precast Manhole 8" Thick.....	1,440.60	318.72
	For 6" Thick Wall, Deduct	-112.19	
33 39 13 00-0017	EA 3'-6" Diameter x 8' Deep Precast Manhole 8" Thick.....	1,992.13	477.70
	For 6" Thick Wall, Deduct	-151.44	
33 39 13 00-0018	VLF 3'-6" Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'.....	244.58	61.14
	For 6" Thick Wall, Deduct	-18.50	
33 39 13 00-0019	4' Diameter, 8" Thick Walls (33 39 13 00-0008)		
33 39 13 00-0020	EA 4' Diameter x 4' Deep Precast Manhole 8" Thick.....	1,152.14	240.76
	For 6" Thick Wall, Deduct	-90.98	
33 39 13 00-0021	EA 4' Diameter x 6' Deep Precast Manhole 8" Thick.....	1,596.94	328.66
	For 6" Thick Wall, Deduct	-126.57	
33 39 13 00-0022	EA 4' Diameter x 8' Deep Precast Manhole 8" Thick.....	2,195.23	496.81
	For 6" Thick Wall, Deduct	-169.84	
33 39 13 00-0023	VLF 4' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'.....	268.83	63.06
	For 6" Thick Wall, Deduct	-20.67	
33 39 13 00-0024	VLF 4' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick.....	324.14	63.06
	For 6" Thick Wall, Deduct	-26.20	
33 39 13 00-0025	5' Diameter, 8" Thick Walls (33 39 13 00-0008)		
33 39 13 00-0026	EA 5' Diameter x 4' Deep Precast Manhole 8" Thick.....	1,412.68	267.51
	For 6" Thick Wall, Deduct	-114.44	
33 39 13 00-0027	EA 5' Diameter x 6' Deep Precast Manhole 8" Thick.....	1,942.65	366.87
	For 6" Thick Wall, Deduct	-157.63	
33 39 13 00-0028	EA 5' Diameter x 8' Deep Precast Manhole 8" Thick.....	2,642.76	550.31
	For 6" Thick Wall, Deduct	-209.32	
33 39 13 00-0029	VLF 5' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'.....	321.80	68.78
	For 6" Thick Wall, Deduct	-25.30	
33 39 13 00-0030	VLF 5' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick.....	381.57	68.78
	For 6" Thick Wall, Deduct	-31.28	
33 39 13 00-0031	6' Diameter, 8" Thick Walls (33 39 13 00-0008)		
33 39 13 00-0032	EA 6' Diameter x 4' Deep Precast Manhole 8" Thick.....	1,697.16	298.08
33 39 13 00-0033	EA 6' Diameter x 6' Deep Precast Manhole 8" Thick.....	2,316.45	405.09
33 39 13 00-0034	EA 6' Diameter x 8' Deep Precast Manhole 8" Thick.....	3,126.21	611.45
33 39 13 00-0035	VLF 6' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'.....	378.16	76.44
33 39 13 00-0036	VLF 6' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick.....	433.47	76.44
33 39 13 00-0037	Brick Manholes (33 39 13 00-0001)		
33 39 13 00-0038	4' Inside Diameter x 8" Wall (2 Brick) (33 39 13 00-0037)		
33 39 13 00-0039	EA 4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall.....	2,103.58	768.59
33 39 13 00-0040	EA 4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall.....	3,076.86	1,131.93
33 39 13 00-0041	EA 4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall.....	4,070.97	1,537.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0042 VLF 4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'	527.78	192.15
33 39 13 00-0043 Manhole Accessories (33 39 13)		
33 39 13 00-0044 Precast Concrete Manhole Tops (33 39 13 00-0043)		
33 39 13 00-0045 Precast Slab Tops (33 39 13 00-0044)		
33 39 13 00-0046 EA 3' Diameter x 8" Thick Precast Manhole Top Slab	379.50	57.33
33 39 13 00-0047 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab	443.63	59.62
33 39 13 00-0048 EA 4' Diameter x 8" Thick Precast Manhole Top Slab	515.32	61.91
33 39 13 00-0049 EA 5' Diameter x 8" Thick Precast Manhole Top Slab	682.07	66.50
33 39 13 00-0050 EA 6' Diameter x 8" Thick Precast Manhole Top Slab	809.59	71.08
33 39 13 00-0051 Precast Cone Tops (33 39 13 00-0044)		
33 39 13 00-0052 EA 3' Diameter x 8" Thick Precast Manhole Top Cone	587.02	71.66
33 39 13 00-0053 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone	648.55	74.52
33 39 13 00-0054 EA 4' Diameter x 8" Thick Precast Manhole Top Cone	710.09	77.39
33 39 13 00-0055 EA 5' Diameter x 8" Thick Precast Manhole Top Cone	829.32	82.17
33 39 13 00-0056 EA 6' Diameter x 8" Thick Precast Manhole Top Cone	952.39	87.89
33 39 13 00-0057 Pipe To Manhole Connector (33 39 13 00-0043)		
33 39 13 00-0058 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 39 13 00-0057)		
33 39 13 00-0059 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	51.81	
33 39 13 00-0060 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	72.74	
33 39 13 00-0061 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	82.18	
33 39 13 00-0062 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	118.79	
33 39 13 00-0063 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	163.73	
33 39 13 00-0064 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	218.83	
33 39 13 00-0065 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	381.14	
33 39 13 00-0066 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	526.20	
33 39 13 00-0067 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	814.51	
33 39 13 00-0068 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	963.79	
33 39 13 00-0069 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 39 13 00-0057) Note: Fernco CMA.		
33 39 13 00-0070 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	70.62	
33 39 13 00-0071 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	97.29	
33 39 13 00-0072 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	122.69	
33 39 13 00-0073 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	147.98	
33 39 13 00-0074 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	171.83	
33 39 13 00-0075 Brick And Grout Pipe To Manhole Connector (33 39 13 00-0057)		
33 39 13 00-0076 EA Seal Gap Between Pipe And Structure With Brick And Grout	174.06	
33 39 13 00-0077 Inverts For Manholes (33 39 13 00-0043)		
33 39 13 00-0078 EA Single Channel Concrete Invert For Manholes	313.56	
33 39 13 00-0079 EA Double Channel Concrete Invert For Manholes	453.58	
33 39 13 00-0080 EA Triple Channel Concrete Invert For Manholes	610.41	
33 39 13 00-0081 EA Quad Channel Concrete Invert For Manholes	767.21	
33 39 13 00-0082 EA Single Channel Brick Invert For Manholes	446.91	
33 39 13 00-0083 EA Double Channel Brick Invert For Manholes	669.27	
33 39 13 00-0084 EA Triple Channel Brick Invert For Manholes	895.54	
33 39 13 00-0085 EA Quad Channel Brick Invert For Manholes	1,118.95	
33 39 13 00-0086 Steps For Cast-In-Place Manholes (33 39 13 00-0043) See CSI section 33 01 30 73-0066 for installation of steps in existing manholes.		
33 39 13 00-0087 EA Cast Iron Manhole Step	54.63	
33 39 13 00-0088 EA Galvanized Steel Manhole Step	37.81	
33 39 13 00-0089 EA Aluminum Manhole Step	35.98	
33 39 13 00-0090 EA Polypropylene Manhole Step	30.02	
33 39 13 00-0091 Protective Coating For New Manholes (33 39 13 00-0043)		
33 39 13 00-0092 Polyurethane Protective Coating For New Manholes (33 39 13 00-0091)		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0093 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	129.64	
For 80 Mil Material, Add	17.37	
For 100 Mil Material, Add	34.75	
For 125 Mil Material, Add	54.59	
For 150 Mil Material, Add	74.44	
For 200 Mil Material, Add	109.12	
For 2 To 5 Manholes, Deduct	-8.98	
For 6 To 10 Manholes, Deduct	-14.72	
For >10 Manholes, Deduct	-29.45	
33 39 13 00-0094 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	156.84	
For 80 Mil Material, Add	20.70	
For 100 Mil Material, Add	41.40	
For 125 Mil Material, Add	64.98	
For 150 Mil Material, Add	88.56	
For 200 Mil Material, Add	129.61	
For 2 To 5 Manholes, Deduct	-10.90	
For 6 To 10 Manholes, Deduct	-17.88	
For >10 Manholes, Deduct	-35.75	
33 39 13 00-0095 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	172.87	
For 80 Mil Material, Add	23.17	
For 100 Mil Material, Add	46.34	
For 125 Mil Material, Add	72.80	
For 150 Mil Material, Add	99.26	
For 200 Mil Material, Add	145.51	
For 2 To 5 Manholes, Deduct	-11.98	
For 6 To 10 Manholes, Deduct	-19.63	
For >10 Manholes, Deduct	-39.27	
33 39 13 00-0096 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	216.11	
For 80 Mil Material, Add	28.97	
For 100 Mil Material, Add	57.94	
For 125 Mil Material, Add	91.03	
For 150 Mil Material, Add	124.11	
For 200 Mil Material, Add	181.95	
For 2 To 5 Manholes, Deduct	-14.97	
For 6 To 10 Manholes, Deduct	-24.54	
For >10 Manholes, Deduct	-49.09	
33 39 13 00-0097 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	250.43	
For 80 Mil Material, Add	34.10	
For 100 Mil Material, Add	68.19	
For 125 Mil Material, Add	107.23	
For 150 Mil Material, Add	146.27	
For 200 Mil Material, Add	214.78	
For 2 To 5 Manholes, Deduct	-17.30	
For 6 To 10 Manholes, Deduct	-28.34	
For >10 Manholes, Deduct	-56.68	
33 39 13 00-0098 Polyvinyl Chloride (PVC) Liner <small>(33 39 13 00-0091)</small>		
Note: For new manholes and shop applied.		
33 39 13 00-0099 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	139.28	
33 39 13 00-0100 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	170.73	
33 39 13 00-0101 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	208.35	
33 39 13 00-0102 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	261.65	
33 39 13 00-0103 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	314.95	
33 39 13 00-0104 SF Polyvinyl Chloride (PVC) Liner At Structures	20.18	
33 39 13 00-0105 Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0043)</small>		
33 39 13 00-0106 18" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0107 EA 4" High, 8" Wall, 18" Diameter Concrete Grade Extension	71.28	
33 39 13 00-0108 EA 6" High, 8" Wall, 18" Diameter Concrete Grade Extension	78.66	
33 39 13 00-0109 EA 8" High, 8" Wall, 18" Diameter Concrete Grade Extension	86.04	
33 39 13 00-0110 EA 10" High, 8" Wall, 18" Diameter Concrete Grade Extension	85.48	
33 39 13 00-0111 24" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0112 EA 4" High, 8" Wall, 24" Diameter Concrete Grade Extension	80.15	
33 39 13 00-0113 EA 6" High, 8" Wall, 24" Diameter Concrete Grade Extension	88.53	
33 39 13 00-0114 EA 8" High, 8" Wall, 24" Diameter Concrete Grade Extension	96.92	
33 39 13 00-0115 EA 10" High, 8" Wall, 24" Diameter Concrete Grade Extension	105.30	
33 39 13 00-0116 30" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0117 EA 4" High, 8" Wall, 30" Diameter Concrete Grade Extension	88.78	
33 39 13 00-0118 EA 6" High, 8" Wall, 30" Diameter Concrete Grade Extension	98.13	
33 39 13 00-0119 EA 8" High, 8" Wall, 30" Diameter Concrete Grade Extension	107.48	
33 39 13 00-0120 EA 10" High, 8" Wall, 30" Diameter Concrete Grade Extension	116.83	
33 39 13 00-0121 Bentonite Collar <small>(33 39 13 00-0043)</small>		
33 39 13 00-0122 Bentonite Collar At Manhole Connections <small>(33 39 13 00-0121)</small>		
33 39 13 00-0123 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	94.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0124 EA >12" To 21", Bentonite Collar At Manhole Connection	149.32	
33 39 13 00-0125 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	238.40	
33 39 13 00-0126 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	559.34	
33 39 13 00-0127 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	860.40	
33 39 13 00-0128 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,558.80	
33 39 13 00-0129 Manhole Covers And Frames (33 39 13)		
33 39 13 00-0130 Regular Manhole Covers And Frames, City Type (33 39 13 00-0129)		
33 39 13 00-0131 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	429.28	65.73
For Malleable Iron Castings, Add	69.17	
For Ductile Iron Castings, Add	161.39	
For Heavy Duty, Add	160.18	
33 39 13 00-0132 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	642.76	65.73
For Malleable Iron Castings, Add	133.21	
For Ductile Iron Castings, Add	310.83	
For Heavy Duty, Add	234.90	
33 39 13 00-0133 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	655.77	71.84
For Malleable Iron Castings, Add	131.93	
For Ductile Iron Castings, Add	307.84	
For Heavy Duty, Add	240.32	
33 39 13 00-0134 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	677.11	71.84
For Malleable Iron Castings, Add	138.33	
For Ductile Iron Castings, Add	322.78	
For Heavy Duty, Add	247.79	
33 39 13 00-0135 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	737.39	76.44
For Malleable Iron Castings, Add	152.42	
For Ductile Iron Castings, Add	355.66	
For Heavy Duty, Add	269.55	
33 39 13 00-0136 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	811.95	84.84
For Malleable Iron Castings, Add	167.15	
For Ductile Iron Castings, Add	390.03	
For Heavy Duty, Add	296.92	
33 39 13 00-0137 EA 24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	954.98	84.84
For Malleable Iron Castings, Add	210.06	
For Ductile Iron Castings, Add	490.15	
For Heavy Duty, Add	346.98	
33 39 13 00-0138 EA 26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	948.71	91.72
For Malleable Iron Castings, Add	201.74	
For Ductile Iron Castings, Add	470.72	
For Heavy Duty, Add	345.86	
33 39 13 00-0139 EA 30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,074.35	95.54
For Malleable Iron Castings, Add	236.32	
For Ductile Iron Castings, Add	551.42	
For Heavy Duty, Add	390.35	
33 39 13 00-0140 EA 24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard	722.03	84.84
For Malleable Iron Castings, Add	140.18	
For Ductile Iron Castings, Add	327.08	
For Heavy Duty, Add	265.45	
33 39 13 00-0141 Watertight Type Manhole Covers And Frames (33 39 13 00-0129)		
33 39 13 00-0142 EA 20" Diameter x 200 LB Watertight Manhole Cover With Frame	657.90	54.27
For Malleable Iron Castings, Add	132.57	
For Ductile Iron Castings, Add	309.33	
33 39 13 00-0143 EA 22" Diameter x 300 LB Watertight Manhole Cover With Frame	842.28	54.27
For Malleable Iron Castings, Add	182.55	
For Ductile Iron Castings, Add	425.94	
33 39 13 00-0144 EA 24" Diameter x 350 LB Watertight Manhole Cover With Frame	946.42	63.44
For Malleable Iron Castings, Add	207.50	
For Ductile Iron Castings, Add	484.16	
33 39 13 00-0145 EA 26" Diameter x 500 LB Watertight Manhole Cover With Frame	1,164.65	71.08
For Malleable Iron Castings, Add	266.52	
For Ductile Iron Castings, Add	621.88	
33 39 13 00-0146 EA 30" Diameter x 550 LB Watertight Manhole Cover With Frame	1,128.35	72.61
For Malleable Iron Castings, Add	252.52	
For Ductile Iron Castings, Add	589.22	
33 39 13 00-0147 EA 32" Diameter x 575 LB Watertight Manhole Cover With Frame	1,213.24	74.14
For Malleable Iron Castings, Add	276.86	
For Ductile Iron Castings, Add	646.02	
33 39 13 00-0148 EA 36" Diameter x 600 LB Watertight Manhole Cover With Frame	1,379.40	76.44
For Malleable Iron Castings, Add	325.54	
For Ductile Iron Castings, Add	759.60	
33 39 13 00-0149 Aluminum Manhole Covers And Frames (33 39 13 00-0129)		
33 39 13 00-0150 EA 12" Square Aluminum Manhole Cover With Frame	371.72	23.26
33 39 13 00-0151 EA 18" Square Aluminum Manhole Cover With Frame	640.61	25.76
33 39 13 00-0152 EA 24" Square Aluminum Manhole Cover With Frame	900.56	29.90
33 39 13 00-0153 Remove And Reinstall Manhole Cover And Frame (33 39 13 00-0129)		
33 39 13 00-0154 EA Remove And Reinstall Manhole Cover And Frame	306.44	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 39 13 00-0155	Rainguard Inflow Protectors <small>(33 39 13 00-0129)</small>		
33 39 13 00-0156	EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	90.91	16.95
33 39 13 00-0157	EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	102.25	16.95
33 39 13 00-0158	EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	122.34	20.33
33 39 13 00-0159	EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	129.50	20.33
33 39 13 00-0160	EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	159.03	23.72
33 39 13 00-0161	EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	167.82	23.72
33 39 13 00-0162	Waste Water Collection System Taps <small>(33 39 13)</small>		
	Note: For tapping existing structures only. Includes grout.		
33 39 13 00-0163	Brick Manhole Taps <small>(33 39 13 00-0162)</small>		
33 39 13 00-0164	EA 4" Tap In 6" Brick Manhole.....	361.07	
33 39 13 00-0165	EA 6" Tap In 6" Brick Manhole.....	403.90	
33 39 13 00-0166	EA 8" Tap In 6" Brick Manhole.....	445.96	
33 39 13 00-0167	EA 10" Tap In 6" Brick Manhole.....	487.94	
33 39 13 00-0168	EA 12" Tap In 6" Brick Manhole.....	537.46	
33 39 13 00-0169	EA 15" Tap In 6" Brick Manhole.....	579.36	
33 39 13 00-0170	Precast Concrete Manhole Tap <small>(33 39 13 00-0162)</small>		
33 39 13 00-0171	EA 4" Tap In 8" Thick Precast Concrete Manhole.....	528.93	
33 39 13 00-0172	EA 6" Tap In 8" Thick Precast Concrete Manhole.....	593.18	
33 39 13 00-0173	EA 8" Tap In 8" Thick Precast Concrete Manhole.....	662.29	
33 39 13 00-0174	EA 10" Tap In 8" Thick Precast Concrete Manhole.....	725.26	
33 39 13 00-0175	EA 12" Tap In 8" Thick Precast Concrete Manhole.....	788.10	
33 39 13 00-0176	EA 15" Tap In 8" Thick Precast Concrete Manhole.....	852.47	

33 40 Storm Drainage Utilities (33)**33 41 Storm Utility Drainage Piping** (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 41 13 Public Storm Utility Drainage Piping (33 41)**33 41 13 00-0001 Reinforced Concrete Piping** (33 41 13)**33 41 13 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets** (33 41 13 00-0001)

Note: Excludes assemblies.

33 41 13 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	31.97	12.08
	For >1,000, Deduct	-1.60	
	For Class 4, Add	1.40	
	For Class 5, Add	4.41	
33 41 13 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	38.04	13.44
	For >1,000, Deduct	-1.90	
	For Class 4, Add	1.79	
	For Class 5, Add	5.65	
33 41 13 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	43.75	16.77
	For >1,000, Deduct	-2.19	
	For Class 4, Add	1.88	
	For Class 5, Add	5.94	
33 41 13 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	55.95	21.14
	For >1,000, Deduct	-2.80	
	For Class 4, Add	2.45	
	For Class 5, Add	7.73	
33 41 13 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	65.82	25.68
	For >1,000, Deduct	-3.29	
	For Class 4, Add	2.77	
	For Class 5, Add	8.74	
33 41 13 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	82.33	31.88
	For >1,000, Deduct	-4.12	
	For Class 4, Add	3.49	
	For Class 5, Add	11.03	
33 41 13 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	87.37	32.93
	For >1,000, Deduct	-4.37	
	For Class 4, Add	3.78	
	For Class 5, Add	11.93	
33 41 13 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	106.86	37.42
	For >1,000, Deduct	-5.34	
	For Class 4, Add	5.13	
	For Class 5, Add	16.19	
33 41 13 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	136.28	41.16
	For >1,000, Deduct	-6.81	
	For Class 4, Add	7.42	
	For Class 5, Add	23.42	
33 41 13 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	162.30	45.84
	For >1,000, Deduct	-8.12	
	For Class 4, Add	9.20	
	For Class 5, Add	29.05	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	200.56 -10.03 11.94 37.72	52.38
33 41	13 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	241.42 -12.07 14.69 46.38	60.77
33 41	13 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	364.02 -18.20 25.48 80.47	67.36
33 41	13 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	423.21 -21.16 30.25 95.53	73.34
33 41	13 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	507.19 -25.36 36.99 116.80	82.32
33 41	13 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	648.89 -32.44 49.20 155.38	91.68
33 41 13 00-0019 Concrete Reducing Wye Without Gaskets (33 41 13 00-0001)					
33 41	13 00-0020	EA	12" Concrete Reducing Wye Without Gaskets	357.27	46.02
33 41	13 00-0021	EA	15" Concrete Reducing Wye Without Gaskets	428.76	56.09
33 41	13 00-0022	EA	18" Concrete Reducing Wye Without Gaskets	527.38	61.84
33 41	13 00-0023	EA	21" Concrete Reducing Wye Without Gaskets	607.08	76.22
33 41	13 00-0024	EA	24" Concrete Reducing Wye Without Gaskets	687.92	92.04
33 41 13 00-0025 Concrete Pipe Joint Gaskets (33 41 13 00-0001)					
33 41	13 00-0026	EA	12" Diameter Concrete Pipe Joint Gasket	3.26	
33 41	13 00-0027	EA	15" Diameter Concrete Pipe Joint Gasket	3.86	
33 41	13 00-0028	EA	18" Diameter Concrete Pipe Joint Gasket	4.47	
33 41	13 00-0029	EA	21" Diameter Concrete Pipe Joint Gasket	5.40	
33 41	13 00-0030	EA	24" Diameter Concrete Pipe Joint Gasket	6.33	
33 41	13 00-0031	EA	27" Diameter Concrete Pipe Joint Gasket	7.06	
33 41	13 00-0032	EA	30" Diameter Concrete Pipe Joint Gasket	7.75	
33 41	13 00-0033	EA	36" Diameter Concrete Pipe Joint Gasket	9.47	
33 41	13 00-0034	EA	42" Diameter Concrete Pipe Joint Gasket	10.98	
33 41	13 00-0035	EA	48" Diameter Concrete Pipe Joint Gasket	12.66	
33 41	13 00-0036	EA	54" Diameter Concrete Pipe Joint Gasket	15.52	
33 41	13 00-0037	EA	60" Diameter Concrete Pipe Joint Gasket	22.98	
33 41	13 00-0038	EA	66" Diameter Concrete Pipe Joint Gasket	12.92	
33 41	13 00-0039	EA	72" Diameter Concrete Pipe Joint Gasket	24.77	
33 41	13 00-0040	EA	78" Diameter Concrete Pipe Joint Gasket	15.42	
33 41	13 00-0041	EA	84" Diameter Concrete Pipe Joint Gasket	18.49	
33 41 13 00-0042 Precast Concrete End Sections (33 41 13 00-0001)					
33 41 13 00-0043 Precast Concrete End Sections (33 41 13 00-0042)					
33 41	13 00-0044	EA	12" Diameter Pipe, Precast Concrete End Section.....	581.75	84.35
33 41	13 00-0045	EA	15" Diameter Pipe, Precast Concrete End Section.....	783.69	104.41
33 41	13 00-0046	EA	18" Diameter Pipe, Precast Concrete End Section.....	969.42	132.17
33 41	13 00-0047	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,110.50	158.06
33 41	13 00-0048	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,175.55	182.94
33 41	13 00-0049	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,463.20	223.01
33 41	13 00-0050	EA	30" Diameter Pipe, Precast Concrete End Section.....	1,801.97	334.97
33 41	13 00-0051	EA	36" Diameter Pipe, Precast Concrete End Section.....	2,221.61	422.68
33 41	13 00-0052	EA	42" Diameter Pipe, Precast Concrete End Section.....	2,681.10	530.22
33 41	13 00-0053	EA	48" Diameter Pipe, Precast Concrete End Section.....	2,932.37	597.95
33 41	13 00-0054	EA	54" Diameter Pipe, Precast Concrete End Section.....	3,192.19	669.80
33 41	13 00-0055	EA	60" Diameter Pipe, Precast Concrete End Section.....	3,458.31	744.63
33 41	13 00-0056	EA	66" Diameter Pipe Precast Concrete End Section.....	3,520.19	613.03
33 41	13 00-0057	EA	72" Diameter Pipe Precast Concrete End Section.....	4,011.77	766.26
33 41	13 00-0058	EA	78" Diameter Pipe Precast Concrete End Section.....	4,755.15	957.83
33 41	13 00-0059	EA	84" Diameter Pipe Precast Concrete End Section.....	5,621.58	1,149.40
33 41 13 00-0060 Flared Precast Concrete End Sections (33 41 13 00-0042)					
33 41	13 00-0061	EA	12" Diameter Pipe, Flared Precast Concrete End Section.....	733.27	87.19
33 41	13 00-0062	EA	15" Diameter Pipe, Flared Precast Concrete End Section.....	881.97	108.66
33 41	13 00-0063	EA	18" Diameter Pipe, Flared Precast Concrete End Section.....	1,068.72	137.55
33 41	13 00-0064	EA	21" Diameter Pipe, Flared Precast Concrete End Section.....	1,218.60	164.49
33 41	13 00-0065	EA	24" Diameter Pipe, Flared Precast Concrete End Section.....	1,490.64	190.39
33 41	13 00-0066	EA	27" Diameter Pipe, Flared Precast Concrete End Section.....	1,771.20	304.06
33 41	13 00-0067	EA	30" Diameter Pipe, Flared Precast Concrete End Section.....	1,806.37	418.64

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0068	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,453.90	528.35
33 41	13 00-0069	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,934.40	662.91
33 41	13 00-0070	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,164.35	747.62
33 41	13 00-0071	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,538.96	837.35
33 41	13 00-0072	EA	60" Diameter Pipe, Flared Precast Concrete End Section	3,920.03	930.07
33 41	13 00-0073	EA	66" Diameter Pipe, Flared Precast Concrete End Section	4,577.10	1,071.59
33 41	13 00-0074	EA	72" Diameter Pipe, Flared Precast Concrete End Section	5,357.72	1,196.04
33 41	13 00-0075	EA	78" Diameter Pipe, Flared Precast Concrete End Section	6,079.29	1,345.49
33 41	13 00-0076	EA	84" Diameter Pipe, Flared Precast Concrete End Section	7,033.17	1,494.79
33 41	13 00-0077		Prestressed Concrete Cylinder Piping <small>(33 41 13)</small>		
33 41	13 00-0078		150 PSI Prestressed Concrete Cylinder Pipe And Fittings <small>(33 41 13 00-0077)</small>		
33 41	13 00-0079		150 PSI Prestressed Concrete Cylinder Pipe With Gaskets <small>(33 41 13 00-0078)</small>		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 41	13 00-0080	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	80.64	12.08
			<i>For >1,000, Deduct</i>	-4.03	
			<i>For 100 PSI, Deduct</i>	-15.85	
33 41	13 00-0081	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	86.25	13.44
			<i>For >1,000, Deduct</i>	-4.31	
			<i>For 100 PSI, Deduct</i>	-16.76	
33 41	13 00-0082	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	94.66	16.77
			<i>For >1,000, Deduct</i>	-4.73	
			<i>For 100 PSI, Deduct</i>	-17.68	
33 41	13 00-0083	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	104.59	21.14
			<i>For >1,000, Deduct</i>	-5.23	
			<i>For 100 PSI, Deduct</i>	-18.60	
33 41	13 00-0084	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	114.74	25.68
			<i>For >1,000, Deduct</i>	-5.74	
			<i>For 100 PSI, Deduct</i>	-19.52	
33 41	13 00-0085	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	134.99	32.93
			<i>For >1,000, Deduct</i>	-6.75	
			<i>For 100 PSI, Deduct</i>	-21.85	
33 41	13 00-0086	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	149.65	37.42
			<i>For >1,000, Deduct</i>	-7.48	
			<i>For 100 PSI, Deduct</i>	-24.19	
33 41	13 00-0087	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	172.97	41.16
			<i>For >1,000, Deduct</i>	-8.65	
			<i>For 100 PSI, Deduct</i>	-28.69	
33 41	13 00-0088	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	198.24	45.84
			<i>For >1,000, Deduct</i>	-9.91	
			<i>For 100 PSI, Deduct</i>	-33.19	
33 41	13 00-0089	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	261.87	59.08
			<i>For >1,000, Deduct</i>	-13.09	
			<i>For 100 PSI, Deduct</i>	-44.37	
33 41	13 00-0090	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	314.74	68.54
			<i>For >1,000, Deduct</i>	-15.74	
			<i>For 100 PSI, Deduct</i>	-54.21	
33 41	13 00-0091	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	353.23	75.97
			<i>For >1,000, Deduct</i>	-17.66	
			<i>For 100 PSI, Deduct</i>	-61.30	
33 41	13 00-0092	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	393.38	82.72
			<i>For >1,000, Deduct</i>	-19.67	
			<i>For 100 PSI, Deduct</i>	-68.80	
33 41	13 00-0093	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	446.52	92.85
			<i>For >1,000, Deduct</i>	-22.33	
			<i>For 100 PSI, Deduct</i>	-78.39	
33 41	13 00-0094	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	499.65	103.40
			<i>For >1,000, Deduct</i>	-24.98	
			<i>For 100 PSI, Deduct</i>	-87.98	
33 41	13 00-0095	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	615.03	120.70
			<i>For >1,000, Deduct</i>	-30.75	
			<i>For 100 PSI, Deduct</i>	-110.50	
33 41	13 00-0096	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	722.33	137.84
			<i>For >1,000, Deduct</i>	-36.12	
			<i>For 100 PSI, Deduct</i>	-131.35	
33 41	13 00-0097	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	838.88	149.40
			<i>For >1,000, Deduct</i>	-41.94	
			<i>For 100 PSI, Deduct</i>	-156.37	
33 41	13 00-0098	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	943.83	158.65
			<i>For >1,000, Deduct</i>	-47.19	
			<i>For 100 PSI, Deduct</i>	-179.30	
33 41	13 00-0099	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,132.19	167.90
			<i>For >1,000, Deduct</i>	-56.61	
			<i>For 100 PSI, Deduct</i>	-223.08	
33 41	13 00-0100	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,311.07	176.36
			<i>For >1,000, Deduct</i>	-65.55	
			<i>For 100 PSI, Deduct</i>	-264.78	
33 41	13 00-0101	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,426.58	184.84
			<i>For >1,000, Deduct</i>	-71.33	
			<i>For 100 PSI, Deduct</i>	-290.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0102 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i>	1,543.76 -77.19 -316.90	193.31
33 41 13 00-0103 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i>	1,660.11 -83.01 -342.96	201.78
33 41 13 00-0104 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i>	1,776.44 -88.82 -369.02	210.25
33 41 13 00-0105 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 <small>41 13 00-0078)</small>		
33 41 13 00-0106 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	311.57	113.26
33 41 13 00-0107 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	433.67	161.79
33 41 13 00-0108 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	561.55	215.73
33 41 13 00-0109 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	689.43	269.66
33 41 13 00-0110 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	841.03	335.10
33 41 13 00-0111 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,071.97	449.43
33 41 13 00-0112 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,314.37	523.86
33 41 13 00-0113 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,531.40	611.42
33 41 13 00-0114 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,728.87	698.23
33 41 13 00-0115 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,132.74	871.85
33 41 13 00-0116 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,809.61	1,181.76
33 41 13 00-0117 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,465.55	1,434.99
33 41 13 00-0118 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,761.62	1,857.04
33 41 13 00-0119 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,459.17	2,363.50
33 41 13 00-0120 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,608.44	3,604.25
33 41 13 00-0121 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,025.15	6,007.09
33 41 13 00-0122 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,123.41	6,951.06
33 41 13 00-0123 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,264.25	7,895.03
33 41 13 00-0124 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 <small>41 13 00-0078)</small>		
33 41 13 00-0125 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	294.56	113.26
33 41 13 00-0126 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	411.66	161.79
33 41 13 00-0127 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	535.53	215.73
33 41 13 00-0128 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	659.41	269.66
33 41 13 00-0129 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	807.00	335.10
33 41 13 00-0130 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,025.26	419.23
33 41 13 00-0131 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,261.00	523.86
33 41 13 00-0132 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,469.69	611.42
33 41 13 00-0133 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,662.49	698.23
33 41 13 00-0134 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,032.48	871.85
33 41 13 00-0135 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,719.76	1,181.76
33 41 13 00-0136 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,362.68	1,434.99
33 41 13 00-0137 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,384.25	1,857.04
33 41 13 00-0138 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,884.04	2,363.50
33 41 13 00-0139 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,489.18	3,604.25
33 41 13 00-0140 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,361.25	6,007.09
33 41 13 00-0141 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,726.81	7,895.03
33 41 13 00-0142 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,335.34	7,895.03
33 41 13 00-0143 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 00-0077)		
33 41 13 00-0144 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 <small>00-0143)</small>		
<i>Note: AWWA C301</i>		
33 41 13 00-0145 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	156.93 -7.85	32.93
33 41 13 00-0146 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	190.16 -9.51	37.42
33 41 13 00-0147 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	221.06 -11.05	41.16
33 41 13 00-0148 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 00-0143)		
<i>Note: AWWA C301</i>		
33 41 13 00-0149 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	294.85 -14.74	45.80
33 41 13 00-0150 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	354.60 -17.73	59.08
33 41 13 00-0151 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	408.92 -20.45	68.54
33 41 13 00-0152 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	459.87 -22.99	75.97
33 41 13 00-0153 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	554.11 -27.71	82.72

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 13 00-0154	Welded Joints For Prestressed Concrete Cylinder Pipe <small>(33 41 13 00-0143)</small>	
	Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.	
33 41 13 00-0155	EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,030.38
33 41 13 00-0156	EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,254.85
33 41 13 00-0157	EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,367.09
33 41 13 00-0158	EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,816.03
33 41 13 00-0159	EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,928.27
33 41 13 00-0160	EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,152.74
33 41 13 00-0161	EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,264.98
33 41 13 00-0162	EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,377.21
33 41 13 00-0163	EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,611.81
33 41 13 00-0164	EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,611.81
33 41 13 00-0165	EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,397.47
33 41 13 00-0166	EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,397.47
33 41 13 00-0167	EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,846.41
33 41 13 00-0168	EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,846.41
33 41 13 00-0169	EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	7,407.59
33 41 13 00-0170	EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	7,407.59
33 41 13 00-0171	Quick Test Joints <small>(33 41 13 00-0143)</small>	
33 41 13 00-0172	EA 30" Quick Test Joint.....	316.08
33 41 13 00-0173	EA 36" Quick Test Joint.....	319.82
33 41 13 00-0174	EA 42" Quick Test Joint.....	323.57
33 41 13 00-0175	EA 48" Quick Test Joint.....	330.84
33 41 13 00-0176	EA 54" Quick Test Joint.....	348.85
33 41 13 00-0177	EA 60" Quick Test Joint.....	363.17
33 41 13 00-0178	EA 66" Quick Test Joint.....	383.37
33 41 13 00-0179	EA 72" Quick Test Joint.....	403.56
33 41 13 00-0180	Harnessed Joints <small>(33 41 13 00-0143)</small>	
33 41 13 00-0181	Harness Clamp Restrained Joints <small>(33 41 13 00-0180)</small>	
33 41 13 00-0182	EA 30" Harness Clamp Restrained Joint.....	2,664.00
33 41 13 00-0183	EA 36" Harness Clamp Restrained Joint.....	2,767.90
33 41 13 00-0184	EA 42" Harness Clamp Restrained Joint.....	2,871.81
33 41 13 00-0185	EA 48" Harness Clamp Restrained Joint.....	2,975.70
33 41 13 00-0186	EA 54" Harness Clamp Restrained Joint.....	3,089.18
33 41 13 00-0187	EA 60" Harness Clamp Restrained Joint.....	3,247.86
33 41 13 00-0188	EA 66" Harness Clamp Restrained Joint.....	3,356.47
33 41 13 00-0189	EA 72" Harness Clamp Restrained Joint.....	3,595.27
33 41 13 00-0190	Snap Ring Restrained Joints <small>(33 41 13 00-0180)</small>	
33 41 13 00-0191	EA 30" Snap Ring Restrained Joint.....	460.51
33 41 13 00-0192	EA 36" Snap Ring Restrained Joint.....	524.34
33 41 13 00-0193	EA 42" Snap Ring Restrained Joint.....	698.36
33 41 13 00-0194	EA 48" Snap Ring Restrained Joint.....	792.23
33 41 13 00-0195	EA 54" Snap Ring Restrained Joint.....	895.70
33 41 13 00-0196	EA 60" Snap Ring Restrained Joint.....	1,014.31
33 41 13 00-0197	EA 66" Snap Ring Restrained Joint.....	1,122.92
33 41 13 00-0198	EA 72" Snap Ring Restrained Joint.....	1,251.55
33 41 13 00-0199	Pipe Repairs <small>(33 41 13 00-0143)</small>	
	Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.	
33 41 13 00-0200	Lined Cylinder Pipe Repair <small>(33 41 13 00-0199)</small>	
33 41 13 00-0201	EA 30" Lined Cylinder Pipe Repair.....	4,322.64
33 41 13 00-0202	EA 36" Lined Cylinder Pipe Repair.....	5,353.60
33 41 13 00-0203	EA 42" Lined Cylinder Pipe Repair.....	6,137.34
33 41 13 00-0204	Embedded Cylinder Pipe Repair <small>(33 41 13 00-0199)</small>	
	Note: Field welded concrete enclosure assembly with concrete pipe.	
33 41 13 00-0205	EA 48" Embedded Cylinder Pipe Repair.....	8,963.01
33 41 13 00-0206	EA 54" Embedded Cylinder Pipe Repair.....	10,383.90
33 41 13 00-0207	EA 60" Embedded Cylinder Pipe Repair.....	11,817.39
33 41 13 00-0208	EA 66" Embedded Cylinder Pipe Repair.....	13,348.37
33 41 13 00-0209	EA 72" Embedded Cylinder Pipe Repair.....	15,970.22
33 41 13 00-0210	High Density Polyethylene (HDPE) Piping <small>(33 41 13)</small>	
33 41 13 00-0211	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0210)</small>	
	Note: Excludes couplings and gaskets.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0212 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0211)</small>		
33 41 13 00-0213 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.75	4.95
For <100, Add	1.98	
For >1,000, Deduct	-0.54	
33 41 13 00-0214 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.69	5.75
For <100, Add	2.30	
For >1,000, Deduct	-0.68	
33 41 13 00-0215 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.64	6.69
For <100, Add	2.68	
For >1,000, Deduct	-0.83	
33 41 13 00-0216 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.55	6.92
For <100, Add	2.77	
For >1,000, Deduct	-0.93	
33 41 13 00-0217 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.44	7.17
For <100, Add	2.87	
For >1,000, Deduct	-0.97	
33 41 13 00-0218 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.69	7.43
For <100, Add	2.97	
For >1,000, Deduct	-1.08	
33 41 13 00-0219 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.60	7.69
For <100, Add	3.08	
For >1,000, Deduct	-1.28	
33 41 13 00-0220 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.29	9.01
For <100, Add	3.61	
For >1,000, Deduct	-1.71	
33 41 13 00-0221 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.29	12.14
For <100, Add	4.85	
For >1,000, Deduct	-2.41	
33 41 13 00-0222 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	63.15	15.34
For <100, Add	6.14	
For >1,000, Deduct	-3.16	
 33 41 13 00-0223 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0211)</small>		
33 41 13 00-0224 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.35	7.17
For <100, Add	2.87	
For >1,000, Deduct	-0.97	
33 41 13 00-0225 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.05	7.43
For <100, Add	2.97	
For >1,000, Deduct	-1.10	
33 41 13 00-0226 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.14	7.69
For <100, Add	3.08	
For >1,000, Deduct	-1.31	
33 41 13 00-0227 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.14	9.01
For <100, Add	3.61	
For >1,000, Deduct	-1.76	
33 41 13 00-0228 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	50.63	12.14
For <100, Add	4.85	
For >1,000, Deduct	-2.53	
33 41 13 00-0229 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	64.89	15.34
For <100, Add	6.14	
For >1,000, Deduct	-3.24	
33 41 13 00-0230 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	82.85	16.73
For <100, Add	6.69	
For >1,000, Deduct	-4.14	
33 41 13 00-0231 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	90.69	18.88
For <100, Add	7.55	
For >1,000, Deduct	-4.53	
 33 41 13 00-0232 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0210)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0233 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0232)</small>		
33 41 13 00-0234 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.42	4.95
For <100, Add	1.98	
For >1,000, Deduct	-0.52	
33 41 13 00-0235 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.68	5.75
For <100, Add	2.30	
For >1,000, Deduct	-0.63	
33 41 13 00-0236 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.45	6.69
For <100, Add	2.68	
For >1,000, Deduct	-0.77	
33 41 13 00-0237 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.68	6.92
For <100, Add	2.77	
For >1,000, Deduct	-0.88	
33 41 13 00-0238 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.11	7.17
For <100, Add	2.87	
For >1,000, Deduct	-0.96	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0239	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.79	7.43
		<i>For <100, Add</i>	2.97	
		<i>For >1,000, Deduct</i>	-1.09	
33 41 13 00-0240	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.27	7.69
		<i>For <100, Add</i>	3.08	
		<i>For >1,000, Deduct</i>	-1.31	
33 41 13 00-0241	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.02	9.01
		<i>For <100, Add</i>	3.61	
		<i>For >1,000, Deduct</i>	-1.75	
33 41 13 00-0242		Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0210)</small>		
		Note: Excludes couplings and gaskets.		
33 41 13 00-0243		Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0242)</small>		
33 41 13 00-0244	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.76	4.95
		<i>For <100, Add</i>	1.98	
		<i>For >1,000, Deduct</i>	-0.54	
33 41 13 00-0245	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.70	5.75
		<i>For <100, Add</i>	2.30	
		<i>For >1,000, Deduct</i>	-0.69	
33 41 13 00-0246	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.64	6.69
		<i>For <100, Add</i>	2.68	
		<i>For >1,000, Deduct</i>	-0.83	
33 41 13 00-0247	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.56	6.92
		<i>For <100, Add</i>	2.77	
		<i>For >1,000, Deduct</i>	-0.93	
33 41 13 00-0248	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.44	7.17
		<i>For <100, Add</i>	2.87	
		<i>For >1,000, Deduct</i>	-0.97	
33 41 13 00-0249	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.70	7.43
		<i>For <100, Add</i>	2.97	
		<i>For >1,000, Deduct</i>	-1.09	
33 41 13 00-0250	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.61	7.69
		<i>For <100, Add</i>	3.08	
		<i>For >1,000, Deduct</i>	-1.28	
33 41 13 00-0251	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.29	9.01
		<i>For <100, Add</i>	3.61	
		<i>For >1,000, Deduct</i>	-1.71	
33 41 13 00-0252	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.44	12.14
		<i>For <100, Add</i>	4.85	
		<i>For >1,000, Deduct</i>	-2.42	
33 41 13 00-0253	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	63.15	15.34
		<i>For <100, Add</i>	6.14	
		<i>For >1,000, Deduct</i>	-3.16	
33 41 13 00-0254		Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0242)</small>		
33 41 13 00-0255	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.37	7.17
		<i>For <100, Add</i>	2.87	
		<i>For >1,000, Deduct</i>	-0.97	
33 41 13 00-0256	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.06	7.43
		<i>For <100, Add</i>	2.97	
		<i>For >1,000, Deduct</i>	-1.10	
33 41 13 00-0257	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.15	7.69
		<i>For <100, Add</i>	3.08	
		<i>For >1,000, Deduct</i>	-1.31	
33 41 13 00-0258	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.14	9.01
		<i>For <100, Add</i>	3.61	
		<i>For >1,000, Deduct</i>	-1.76	
33 41 13 00-0259	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	50.63	12.14
		<i>For <100, Add</i>	4.85	
		<i>For >1,000, Deduct</i>	-2.53	
33 41 13 00-0260	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	64.89	15.34
		<i>For <100, Add</i>	6.14	
		<i>For >1,000, Deduct</i>	-3.24	
33 41 13 00-0261	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	82.85	16.73
		<i>For <100, Add</i>	6.69	
		<i>For >1,000, Deduct</i>	-4.14	
33 41 13 00-0262	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	90.69	18.88
		<i>For <100, Add</i>	7.55	
		<i>For >1,000, Deduct</i>	-4.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0263				Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0242)</small>		
			LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.43	4.95
				For <100, Add	1.98	
				For >1,000, Deduct	-0.52	
			LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.68	5.75
				For <100, Add	2.30	
				For >1,000, Deduct	-0.63	
			LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.39	6.69
				For <100, Add	2.68	
				For >1,000, Deduct	-0.77	
			LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.68	6.92
				For <100, Add	2.77	
				For >1,000, Deduct	-0.88	
			LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.11	7.17
				For <100, Add	2.87	
				For >1,000, Deduct	-0.96	
			LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.79	7.43
				For <100, Add	2.97	
				For >1,000, Deduct	-1.09	
			LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.27	7.69
				For <100, Add	3.08	
				For >1,000, Deduct	-1.31	
			LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.02	9.01
				For <100, Add	3.61	
				For >1,000, Deduct	-1.75	
33 41 13 00-0272				Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0210)</small>		
				Note: Excludes couplings and gaskets.		
33 41 13 00-0273				Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0272)</small>		
			EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	45.19	16.55
			EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	56.85	19.32
			EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	92.15	23.46
			EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	140.90	28.98
			EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	222.88	34.50
			EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	314.75	45.08
			EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	452.86	60.71
			EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	580.81	69.30
			EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,016.85	80.03
			EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,306.47	92.45
			EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,177.09	110.39
			EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,732.98	131.09
33 41 13 00-0286				Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0272)</small>		
			EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	66.60	16.55
			EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	80.34	19.32
			EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	106.98	23.46
			EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	157.25	28.98
			EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	275.49	34.50
			EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	298.62	45.08
			EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	421.47	60.71
33 41 13 00-0294				22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0272)</small>		
			EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	27.43	11.04
			EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	33.89	12.88
			EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	49.57	15.64
			EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	62.40	19.32
			EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	90.73	23.00
			EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	143.63	29.44
			EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	190.29	40.48
			EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	362.39	45.99
			EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	503.96	53.35
			EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	590.61	61.64
			EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	755.00	73.59
			EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,021.14	87.39
33 41 13 00-0307				45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0272)</small>		
			EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.78	11.04
			EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	38.77	12.88
			EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	52.06	15.64

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0311 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	82.67	19.32
33 41 13 00-0312 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	90.73	23.00
33 41 13 00-0313 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	143.23	29.44
33 41 13 00-0314 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	222.97	40.48
33 41 13 00-0315 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	387.64	45.99
33 41 13 00-0316 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	505.16	53.35
33 41 13 00-0317 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	645.03	61.64
33 41 13 00-0318 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	965.05	73.59
33 41 13 00-0319 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,209.40	87.39
33 41 13 00-0320 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0210)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0321 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0320)</small>		
33 41 13 00-0322 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	30.78	16.55
33 41 13 00-0323 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	36.61	19.32
33 41 13 00-0324 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	59.66	23.46
33 41 13 00-0325 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	76.63	28.98
33 41 13 00-0326 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	114.05	34.50
33 41 13 00-0327 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	248.64	45.08
33 41 13 00-0328 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	297.10	60.71
33 41 13 00-0329 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	563.58	69.00
33 41 13 00-0330 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0320)</small>		
33 41 13 00-0331 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	31.66	16.55
33 41 13 00-0332 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	39.51	19.32
33 41 13 00-0333 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	89.97	23.46
33 41 13 00-0334 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0320)</small>		
33 41 13 00-0335 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	20.81	11.04
33 41 13 00-0336 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0320)</small>		
33 41 13 00-0337 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	21.74	11.04
33 41 13 00-0338 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	28.15	12.88
33 41 13 00-0339 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	41.95	15.64
33 41 13 00-0340 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	55.32	19.32
33 41 13 00-0341 Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0210)</small>		
Note: For single and double wall high density polyethylene (HDPE) piping.		
33 41 13 00-0342 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0341)</small>		
33 41 13 00-0343 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.40	
33 41 13 00-0344 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.51	
33 41 13 00-0345 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.86	
33 41 13 00-0346 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.74	
33 41 13 00-0347 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.10	
33 41 13 00-0348 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.27	
33 41 13 00-0349 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	10.75	
33 41 13 00-0350 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	17.11	
33 41 13 00-0351 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	26.27	
33 41 13 00-0352 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	34.38	
33 41 13 00-0353 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	54.05	
33 41 13 00-0354 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	73.10	
33 41 13 00-0355 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0341)</small>		
33 41 13 00-0356 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	74.01	
33 41 13 00-0357 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	77.50	
33 41 13 00-0358 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	81.15	
33 41 13 00-0359 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	84.96	
33 41 13 00-0360 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	100.77	
33 41 13 00-0361 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	104.04	
33 41 13 00-0362 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	108.51	
33 41 13 00-0363 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	123.60	
33 41 13 00-0364 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	198.14	
33 41 13 00-0365 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	217.03	
33 41 13 00-0366 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	236.47	
33 41 13 00-0367 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	287.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0368 End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0341)</small>		
33 41 13 00-0369 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	171.48	41.37
33 41 13 00-0370 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	204.11	46.55
33 41 13 00-0371 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	216.56	49.99
33 41 13 00-0372 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	258.82	55.17
33 41 13 00-0373 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	335.47	65.51
33 41 13 00-0374 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	841.86	74.13
33 41 13 00-0375 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	936.18	82.75
33 41 13 00-0376 Vitrified Clay Piping <small>(33 41 13)</small>		
33 41 13 00-0377 Extra Strength Vitrified Clay Piping <small>(33 41 13 00-0376)</small>		
33 41 13 00-0378 Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 41 13 00-0377)</small>		
Note: ASTM C700.		
33 41 13 00-0379 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe	13.25	
For 3' Lengths, Add	0.87	
For 2' Lengths, Add	1.16	
For Standard Strength, Deduct	-0.29	
For >1,000, Deduct	-0.66	
33 41 13 00-0380 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe	16.97	
For 3' Lengths, Add	1.35	
For 2' Lengths, Add	1.80	
For Standard Strength, Deduct	-0.45	
For >1,000, Deduct	-0.85	
33 41 13 00-0381 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe	21.01	
For 3' Lengths, Add	1.93	
For 2' Lengths, Add	2.57	
For Standard Strength, Deduct	-0.64	
For >1,000, Deduct	-1.05	
33 41 13 00-0382 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe	25.71	
For 3' Lengths, Add	2.95	
For 2' Lengths, Add	3.93	
For Standard Strength, Deduct	-0.98	
For >1,000, Deduct	-1.29	
33 41 13 00-0383 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe	31.77	
For 3' Lengths, Add	4.16	
For 2' Lengths, Add	5.55	
For Standard Strength, Deduct	-1.39	
For >1,000, Deduct	-1.59	
33 41 13 00-0384 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.93	
For 3' Lengths, Add	7.81	
For 2' Lengths, Add	10.41	
For Standard Strength, Deduct	-2.60	
For >1,000, Deduct	-2.30	
33 41 13 00-0385 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe	62.12	
For 3' Lengths, Add	11.19	
For 2' Lengths, Add	14.92	
For Standard Strength, Deduct	-3.73	
For >1,000, Deduct	-3.11	
33 41 13 00-0386 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe	91.06	
For 3' Lengths, Add	17.93	
For 2' Lengths, Add	23.90	
For Standard Strength, Deduct	-5.98	
For >1,000, Deduct	-4.55	
33 41 13 00-0387 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe	116.08	
For 3' Lengths, Add	23.42	
For 2' Lengths, Add	31.22	
For Standard Strength, Deduct	-7.81	
For >1,000, Deduct	-5.80	
33 41 13 00-0388 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe	144.74	
For 3' Lengths, Add	29.20	
For 2' Lengths, Add	38.93	
For Standard Strength, Deduct	-9.73	
For >1,000, Deduct	-7.24	
33 41 13 00-0389 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe	170.27	
For 3' Lengths, Add	35.27	
For 2' Lengths, Add	47.03	
For Standard Strength, Deduct	-11.76	
For >1,000, Deduct	-8.51	
33 41 13 00-0390 Compression Joint, Extra Strength, Vitrified Clay Piping <small>(33 41 13 00-0377)</small>		
Note: ASTM C425.		
33 41 13 00-0391 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe	15.84	
For 3' Lengths, Add	1.02	
For 2' Lengths, Add	1.36	
For Standard Strength, Deduct	-0.34	
For >1,000, Deduct	-0.79	
33 41 13 00-0392 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe	20.54	
For 3' Lengths, Add	1.67	
For 2' Lengths, Add	2.23	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-1.03	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0393 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	25.38	
For 3' Lengths, Add	2.36	
For 2' Lengths, Add	3.14	
For Standard Strength, Deduct	-0.79	
For >1,000, Deduct	-1.27	
33 41 13 00-0394 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	31.96	
For 3' Lengths, Add	3.87	
For 2' Lengths, Add	5.16	
For Standard Strength, Deduct	-1.29	
For >1,000, Deduct	-1.60	
33 41 13 00-0395 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	38.43	
For 3' Lengths, Add	5.09	
For 2' Lengths, Add	6.78	
For Standard Strength, Deduct	-1.70	
For >1,000, Deduct	-1.92	
33 41 13 00-0396 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.81	
For 3' Lengths, Add	9.28	
For 2' Lengths, Add	12.37	
For Standard Strength, Deduct	-3.09	
For >1,000, Deduct	-2.74	
33 41 13 00-0397 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	75.08	
For 3' Lengths, Add	13.59	
For 2' Lengths, Add	18.12	
For Standard Strength, Deduct	-4.53	
For >1,000, Deduct	-3.75	
33 41 13 00-0398 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	106.48	
For 3' Lengths, Add	20.67	
For 2' Lengths, Add	27.56	
For Standard Strength, Deduct	-6.89	
For >1,000, Deduct	-5.32	
33 41 13 00-0399 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	138.15	
For 3' Lengths, Add	27.76	
For 2' Lengths, Add	37.01	
For Standard Strength, Deduct	-9.25	
For >1,000, Deduct	-6.91	
33 41 13 00-0400 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	217.84	
For 3' Lengths, Add	48.28	
For 2' Lengths, Add	64.38	
For Standard Strength, Deduct	-16.09	
For >1,000, Deduct	-10.89	
33 41 13 00-0401 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	300.31	
For 3' Lengths, Add	71.12	
For 2' Lengths, Add	94.83	
For Standard Strength, Deduct	-23.71	
For >1,000, Deduct	-15.02	
33 41 13 00-0402 Extra Strength, Vitrified Clay Pipe Fittings (33 41 13 00-0376)		
33 41 13 00-0403 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0402)		
33 41 13 00-0404 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 41 13 00-0403)		
33 41 13 00-0405 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	51.70	
33 41 13 00-0406 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	68.44	
33 41 13 00-0407 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	94.87	
33 41 13 00-0408 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	126.65	
33 41 13 00-0409 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	164.52	
33 41 13 00-0410 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	371.95	
33 41 13 00-0411 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	521.63	
33 41 13 00-0412 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	807.07	
33 41 13 00-0413 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	933.20	
33 41 13 00-0414 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,086.66	
33 41 13 00-0415 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,613.30	
33 41 13 00-0416 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0403)		
33 41 13 00-0417 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	59.10	
33 41 13 00-0418 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	81.57	
33 41 13 00-0419 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	107.99	
33 41 13 00-0420 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	140.79	
33 41 13 00-0421 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	176.21	
33 41 13 00-0422 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	418.69	
33 41 13 00-0423 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	604.55	
33 41 13 00-0424 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	627.90	
33 41 13 00-0425 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,192.27	
33 41 13 00-0426 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,333.41	
33 41 13 00-0427 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,960.66	
33 41 13 00-0428 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0402)		
33 41 13 00-0429 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0428)		
33 41 13 00-0430 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	62.05	
33 41 13 00-0431 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	80.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0432 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	109.46	
33 41 13 00-0433 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	142.54	
33 41 13 00-0434 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	182.41	
33 41 13 00-0435 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	391.86	
33 41 13 00-0436 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	546.46	
33 41 13 00-0437 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	838.39	
33 41 13 00-0438 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	971.22	
33 41 13 00-0439 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,134.07	
33 41 13 00-0440 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,666.00	
33 41 13 00-0441 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0428)		
33 41 13 00-0442 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	71.53	
33 41 13 00-0443 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	96.55	
33 41 13 00-0444 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	125.50	
33 41 13 00-0445 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	159.85	
33 41 13 00-0446 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	197.69	
33 41 13 00-0447 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	442.57	
33 41 13 00-0448 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	634.34	
33 41 13 00-0449 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,205.69	
33 41 13 00-0450 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,237.90	
33 41 13 00-0451 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,390.30	
33 41 13 00-0452 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,023.91	
33 41 13 00-0453 Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-0402)		
33 41 13 00-0454 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-0453)		
33 41 13 00-0455 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	70.12	
33 41 13 00-0456 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	89.93	
33 41 13 00-0457 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	118.57	
33 41 13 00-0458 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	151.62	
33 41 13 00-0459 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	188.29	
33 41 13 00-0460 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	401.73	
33 41 13 00-0461 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	557.47	
33 41 13 00-0462 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	798.38	
33 41 13 00-0463 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,102.40	
33 41 13 00-0464 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,177.86	
33 41 13 00-0465 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,669.99	
33 41 13 00-0466 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-0453)		
33 41 13 00-0467 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	85.32	
33 41 13 00-0468 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	113.81	
33 41 13 00-0469 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	146.48	
33 41 13 00-0470 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	184.12	
33 41 13 00-0471 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	226.14	
33 41 13 00-0472 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	488.14	
33 41 13 00-0473 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	696.32	
33 41 13 00-0474 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,023.45	
33 41 13 00-0475 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,349.48	
33 41 13 00-0476 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,567.39	
33 41 13 00-0477 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	2,197.84	
33 41 13 00-0478 Vitrified Clay Couplings (33 41 13 00-0376)		
33 41 13 00-0479 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 41 13 00-0478)		
Note: Stainless steel tightening band at each end (Fernco #1002)		
33 41 13 00-0480 EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	26.88	
33 41 13 00-0481 EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	26.61	
33 41 13 00-0482 EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	37.16	
33 41 13 00-0483 EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	34.94	
33 41 13 00-0484 EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	45.71	
33 41 13 00-0485 EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	47.64	
33 41 13 00-0486 EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	43.37	
33 41 13 00-0487 EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	63.50	
33 41 13 00-0488 EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	58.63	
33 41 13 00-0489 EA 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	83.51	
33 41 13 00-0490 EA 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	75.98	
33 41 13 00-0491 EA 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	104.10	
33 41 13 00-0492 EA 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	86.80	
33 41 13 00-0493 EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	177.14	
33 41 13 00-0494 EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	135.90	
33 41 13 00-0495 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 41 13 00-0478)		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41 13 00-0496 EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	39.65	
33 41 13 00-0497 EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	52.20	
33 41 13 00-0498 EA 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	54.94	

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0499	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	57.61	
33 41	13 00-0500	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	70.35	
33 41	13 00-0501	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	81.15	
33 41	13 00-0502		Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 41 13 00-0478) Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41	13 00-0503	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	40.56	
33 41	13 00-0504	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	53.12	
33 41	13 00-0505	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	49.04	
33 41	13 00-0506	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	63.10	
33 41	13 00-0507	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	89.58	
33 41	13 00-0508	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	100.89	
33 41	13 00-0509		Corrugated Metal Piping (33 41 13)		
33 41	13 00-0510		Galvanized Corrugated Steel Piping (33 41 13 00-0509)		
33 41	13 00-0511		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0510)		
33 41	13 00-0512		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0511)		
33 41	13 00-0513	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	23.99	7.55
			For Bituminous Coated Pipe, Add	2.01	
			For Bituminous Coated And 25% Paved, Add	4.11	
			For Smooth-Flo, Add	7.34	
33 41	13 00-0514	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	26.70	7.91
			For Bituminous Coated Pipe, Add	2.53	
			For Bituminous Coated And 25% Paved, Add	5.17	
			For Smooth-Flo, Add	9.24	
33 41	13 00-0515	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	29.50	8.63
			For Bituminous Coated Pipe, Add	3.06	
			For Bituminous Coated And 25% Paved, Add	6.27	
			For Smooth-Flo, Add	11.19	
33 41	13 00-0516	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	33.31	9.34
			For Bituminous Coated Pipe, Add	3.66	
			For Bituminous Coated And 25% Paved, Add	7.49	
			For Smooth-Flo, Add	13.38	
33 41	13 00-0517	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.75	10.07
			For Bituminous Coated Pipe, Add	4.12	
			For Bituminous Coated And 25% Paved, Add	8.43	
			For Smooth-Flo, Add	15.05	
33 41	13 00-0518	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	48.65	12.94
			For Bituminous Coated Pipe, Add	5.35	
			For Bituminous Coated And 25% Paved, Add	10.94	
			For Smooth-Flo, Add	19.54	
33 41	13 00-0519	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	62.80	16.46
			For Bituminous Coated Pipe, Add	6.75	
			For Bituminous Coated And 25% Paved, Add	13.80	
			For Smooth-Flo, Add	24.65	
33 41	13 00-0520	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	71.08	19.46
			For Bituminous Coated Pipe, Add	7.98	
			For Bituminous Coated And 25% Paved, Add	16.33	
			For Smooth-Flo, Add	29.15	
33 41	13 00-0521	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	79.92	22.45
			For Bituminous Coated Pipe, Add	8.94	
			For Bituminous Coated And 25% Paved, Add	18.29	
			For Smooth-Flo, Add	32.65	
33 41	13 00-0522		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0512)		
33 41	13 00-0523	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.78	7.55
			For Bituminous Coated Pipe, Add	2.04	
			For Bituminous Coated And 25% Paved, Add	4.72	
			For Smooth-Flo, Add	9.55	
33 41	13 00-0524	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	28.91	7.91
			For Bituminous Coated Pipe, Add	2.56	
			For Bituminous Coated And 25% Paved, Add	5.92	
			For Smooth-Flo, Add	11.98	
33 41	13 00-0525	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	32.16	8.63
			For Bituminous Coated Pipe, Add	3.09	
			For Bituminous Coated And 25% Paved, Add	7.17	
			For Smooth-Flo, Add	14.49	
33 41	13 00-0526	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.39	9.34
			For Bituminous Coated Pipe, Add	3.68	
			For Bituminous Coated And 25% Paved, Add	8.53	
			For Smooth-Flo, Add	17.24	
33 41	13 00-0527	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.34	10.07
			For Bituminous Coated Pipe, Add	4.17	
			For Bituminous Coated And 25% Paved, Add	9.65	
			For Smooth-Flo, Add	19.51	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0528	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	53.03 5.35 12.39 25.05	12.94
33 41 13 00-0529	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	68.11 6.70 15.53 31.40	16.46
33 41 13 00-0530	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	77.17 7.89 18.28 36.96	19.46
33 41 13 00-0531	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.89 8.87 20.55 41.54	22.45
33 41 13 00-0532	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	103.31 10.91 25.27 51.08	25.44
33 41 13 00-0533		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0511)}</small>		
33 41 13 00-0534	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	37.69 3.54 6.40 12.30	8.63
33 41 13 00-0535	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	42.81 4.19 7.56 14.54	9.34
33 41 13 00-0536	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.66 4.75 8.58 16.48	9.34
33 41 13 00-0537	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	62.08 6.04 10.91 20.96	12.94
33 41 13 00-0538	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	78.85 7.47 13.49 25.92	16.46
33 41 13 00-0539	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.58 8.75 15.80 30.37	19.46
33 41 13 00-0540	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.11 9.88 17.85 34.30	22.45
33 41 13 00-0541	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	119.01 11.85 21.40 41.12	25.44
33 41 13 00-0542	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	130.06 12.98 23.43 45.03	26.94
33 41 13 00-0543	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.40 15.80 28.53 54.82	32.93
33 41 13 00-0544		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0511)}</small>		
33 41 13 00-0545	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	88.90 9.50 15.87 22.64	16.46
33 41 13 00-0546	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.34 11.13 18.59 26.53	19.46
33 41 13 00-0547	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	114.45 12.58 21.01 29.98	22.45
33 41 13 00-0548	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	133.96 14.90 24.89 35.51	25.44

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0549 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	146.70	26.94
For Bituminous Coated Pipe, Add	16.36	
For Bituminous Coated And 25% Paved, Add	27.33	
For Smooth-Flo, Add	39.00	
33 41 13 00-0550 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	175.69	32.93
For Bituminous Coated Pipe, Add	19.57	
For Bituminous Coated And 25% Paved, Add	32.70	
For Smooth-Flo, Add	46.65	
33 41 13 00-0551 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	214.65	47.89
For Bituminous Coated Pipe, Add	21.01	
For Bituminous Coated And 25% Paved, Add	35.10	
For Smooth-Flo, Add	50.09	
33 41 13 00-0552 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0510)		
33 41 13 00-0553 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0552)		
33 41 13 00-0554 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	72.01	16.46
For Bituminous Coated Pipe, Add	7.42	
For Bituminous Coated And 25% Paved, Add	16.84	
For Smooth-Flo, Add	33.53	
33 41 13 00-0555 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	81.65	19.46
For Bituminous Coated Pipe, Add	8.71	
For Bituminous Coated And 25% Paved, Add	19.77	
For Smooth-Flo, Add	39.37	
33 41 13 00-0556 LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	91.83	22.45
For Bituminous Coated Pipe, Add	9.77	
For Bituminous Coated And 25% Paved, Add	22.18	
For Smooth-Flo, Add	44.16	
33 41 13 00-0557 LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	108.98	25.44
For Bituminous Coated Pipe, Add	11.93	
For Bituminous Coated And 25% Paved, Add	27.09	
For Smooth-Flo, Add	53.94	
33 41 13 00-0558 LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	118.74	26.94
For Bituminous Coated Pipe, Add	13.00	
For Bituminous Coated And 25% Paved, Add	29.51	
For Smooth-Flo, Add	58.77	
33 41 13 00-0559 LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	147.98	32.93
For Bituminous Coated Pipe, Add	16.70	
For Bituminous Coated And 25% Paved, Add	37.91	
For Smooth-Flo, Add	75.48	
33 41 13 00-0560 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	184.25	47.89
For Bituminous Coated Pipe, Add	17.80	
For Bituminous Coated And 25% Paved, Add	40.41	
For Smooth-Flo, Add	80.46	
33 41 13 00-0561 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	199.30	52.38
For Bituminous Coated Pipe, Add	18.91	
For Bituminous Coated And 25% Paved, Add	42.92	
For Smooth-Flo, Add	85.46	
33 41 13 00-0562 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	212.31	56.13
For Bituminous Coated Pipe, Add	20.01	
For Bituminous Coated And 25% Paved, Add	45.42	
For Smooth-Flo, Add	90.45	
33 41 13 00-0563 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.34	59.87
For Bituminous Coated Pipe, Add	21.12	
For Bituminous Coated And 25% Paved, Add	47.94	
For Smooth-Flo, Add	95.46	
33 41 13 00-0564 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.88	63.61
For Bituminous Coated Pipe, Add	22.22	
For Bituminous Coated And 25% Paved, Add	50.44	
For Smooth-Flo, Add	100.43	
33 41 13 00-0565 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	254.52	67.36
For Bituminous Coated Pipe, Add	23.33	
For Bituminous Coated And 25% Paved, Add	52.97	
For Smooth-Flo, Add	105.47	
33 41 13 00-0566 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0552)		
33 41 13 00-0567 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	118.38	25.44
For Bituminous Coated Pipe, Add	13.81	
For Bituminous Coated And 25% Paved, Add	27.08	
For Smooth-Flo, Add	54.70	
33 41 13 00-0568 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	129.14	26.94
For Bituminous Coated Pipe, Add	15.08	
For Bituminous Coated And 25% Paved, Add	29.56	
For Smooth-Flo, Add	59.72	
33 41 13 00-0569 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	159.43	32.93
For Bituminous Coated Pipe, Add	18.99	
For Bituminous Coated And 25% Paved, Add	37.22	
For Smooth-Flo, Add	75.20	
33 41 13 00-0570 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	196.72	47.89
For Bituminous Coated Pipe, Add	20.29	
For Bituminous Coated And 25% Paved, Add	39.78	
For Smooth-Flo, Add	80.36	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0571 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	212.77	52.38
For Bituminous Coated Pipe, Add	21.60	
For Bituminous Coated And 25% Paved, Add	42.34	
For Smooth-Flo, Add	85.54	
33 41 13 00-0572 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	226.85	56.13
For Bituminous Coated Pipe, Add	22.92	
For Bituminous Coated And 25% Paved, Add	44.92	
For Smooth-Flo, Add	90.76	
33 41 13 00-0573 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	240.85	59.87
For Bituminous Coated Pipe, Add	24.22	
For Bituminous Coated And 25% Paved, Add	47.48	
For Smooth-Flo, Add	95.92	
33 41 13 00-0574 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	255.42	63.61
For Bituminous Coated Pipe, Add	25.53	
For Bituminous Coated And 25% Paved, Add	50.03	
For Smooth-Flo, Add	101.09	
33 41 13 00-0575 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	272.05	67.36
For Bituminous Coated Pipe, Add	26.84	
For Bituminous Coated And 25% Paved, Add	52.61	
For Smooth-Flo, Add	106.29	
33 41 13 00-0576 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	290.44	74.84
For Bituminous Coated Pipe, Add	28.15	
For Bituminous Coated And 25% Paved, Add	55.18	
For Smooth-Flo, Add	111.49	
33 41 13 00-0577 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.40	82.32
For Bituminous Coated Pipe, Add	29.44	
For Bituminous Coated And 25% Paved, Add	57.71	
For Smooth-Flo, Add	116.59	
33 41 13 00-0578 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0552)</small>		
33 41 13 00-0579 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	152.22	26.94
For Bituminous Coated Pipe, Add	19.70	
For Bituminous Coated And 25% Paved, Add	37.52	
For Smooth-Flo, Add	61.16	
33 41 13 00-0580 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	184.99	32.93
For Bituminous Coated Pipe, Add	24.10	
For Bituminous Coated And 25% Paved, Add	45.91	
For Smooth-Flo, Add	74.84	
33 41 13 00-0581 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	224.51	47.89
For Bituminous Coated Pipe, Add	25.85	
For Bituminous Coated And 25% Paved, Add	49.25	
For Smooth-Flo, Add	80.27	
33 41 13 00-0582 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	242.81	52.38
For Bituminous Coated Pipe, Add	27.61	
For Bituminous Coated And 25% Paved, Add	52.59	
For Smooth-Flo, Add	85.72	
33 41 13 00-0583 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	259.12	56.13
For Bituminous Coated Pipe, Add	29.37	
For Bituminous Coated And 25% Paved, Add	55.95	
For Smooth-Flo, Add	91.20	
33 41 13 00-0584 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	275.38	59.87
For Bituminous Coated Pipe, Add	31.13	
For Bituminous Coated And 25% Paved, Add	59.30	
For Smooth-Flo, Add	96.65	
33 41 13 00-0585 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	292.22	63.61
For Bituminous Coated Pipe, Add	32.89	
For Bituminous Coated And 25% Paved, Add	62.65	
For Smooth-Flo, Add	102.12	
33 41 13 00-0586 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	311.11	67.36
For Bituminous Coated Pipe, Add	34.65	
For Bituminous Coated And 25% Paved, Add	66.01	
For Smooth-Flo, Add	107.59	
33 41 13 00-0587 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	331.70	74.84
For Bituminous Coated Pipe, Add	36.41	
For Bituminous Coated And 25% Paved, Add	69.35	
For Smooth-Flo, Add	113.04	
33 41 13 00-0588 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	351.94	82.32
For Bituminous Coated Pipe, Add	38.15	
For Bituminous Coated And 25% Paved, Add	72.68	
For Smooth-Flo, Add	118.46	
33 41 13 00-0589 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	371.32	89.81
For Bituminous Coated Pipe, Add	39.91	
For Bituminous Coated And 25% Paved, Add	76.04	
For Smooth-Flo, Add	123.93	
33 41 13 00-0590 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0552)</small>		
33 41 13 00-0591 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	250.43	47.89
For Bituminous Coated Pipe, Add	31.04	
For Bituminous Coated And 25% Paved, Add	58.97	
For Smooth-Flo, Add	78.83	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0592 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	270.85	52.38
For Bituminous Coated Pipe, Add	33.22	
For Bituminous Coated And 25% Paved, Add	63.11	
For Smooth-Flo, Add	84.37	
33 41 13 00-0593 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	289.29	56.13
For Bituminous Coated Pipe, Add	35.41	
For Bituminous Coated And 25% Paved, Add	67.27	
For Smooth-Flo, Add	89.93	
33 41 13 00-0594 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	307.67	59.87
For Bituminous Coated Pipe, Add	37.59	
For Bituminous Coated And 25% Paved, Add	71.41	
For Smooth-Flo, Add	95.47	
33 41 13 00-0595 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	326.64	63.61
For Bituminous Coated Pipe, Add	39.77	
For Bituminous Coated And 25% Paved, Add	75.57	
For Smooth-Flo, Add	101.02	
33 41 13 00-0596 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	347.65	67.36
For Bituminous Coated Pipe, Add	41.96	
For Bituminous Coated And 25% Paved, Add	79.72	
For Smooth-Flo, Add	106.58	
33 41 13 00-0597 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	370.38	74.84
For Bituminous Coated Pipe, Add	44.14	
For Bituminous Coated And 25% Paved, Add	83.87	
For Smooth-Flo, Add	112.12	
33 41 13 00-0598 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	392.72	82.32
For Bituminous Coated Pipe, Add	46.31	
For Bituminous Coated And 25% Paved, Add	87.98	
For Smooth-Flo, Add	117.62	
33 41 13 00-0599 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	414.24	89.81
For Bituminous Coated Pipe, Add	48.50	
For Bituminous Coated And 25% Paved, Add	92.15	
For Smooth-Flo, Add	123.18	
33 41 13 00-0600 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	437.17	97.29
For Bituminous Coated Pipe, Add	50.67	
For Bituminous Coated And 25% Paved, Add	96.28	
For Smooth-Flo, Add	128.71	
33 41 13 00-0601 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	461.98	104.77
For Bituminous Coated Pipe, Add	52.86	
For Bituminous Coated And 25% Paved, Add	100.43	
For Smooth-Flo, Add	134.26	
33 41 13 00-0602 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	489.09	112.26
For Bituminous Coated Pipe, Add	55.05	
For Bituminous Coated And 25% Paved, Add	104.60	
For Smooth-Flo, Add	139.84	
33 41 13 00-0603 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0510)</small>		
33 41 13 00-0604 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0603)</small>		
33 41 13 00-0605 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	92.10	22.45
For Bituminous Coated Pipe, Add	12.28	
For Bituminous Coated And 25% Paved, Add	28.00	
For Smooth-Flo, Add	44.45	
33 41 13 00-0606 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	109.50	25.44
For Bituminous Coated Pipe, Add	15.05	
For Bituminous Coated And 25% Paved, Add	34.31	
For Smooth-Flo, Add	54.47	
33 41 13 00-0607 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	119.20	26.94
For Bituminous Coated Pipe, Add	16.37	
For Bituminous Coated And 25% Paved, Add	37.32	
For Smooth-Flo, Add	59.25	
33 41 13 00-0608 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	146.90	32.93
For Bituminous Coated Pipe, Add	20.61	
For Bituminous Coated And 25% Paved, Add	46.98	
For Smooth-Flo, Add	74.59	
33 41 13 00-0609 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	183.05	47.89
For Bituminous Coated Pipe, Add	21.95	
For Bituminous Coated And 25% Paved, Add	50.05	
For Smooth-Flo, Add	79.46	
33 41 13 00-0610 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	197.92	52.38
For Bituminous Coated Pipe, Add	23.29	
For Bituminous Coated And 25% Paved, Add	53.10	
For Smooth-Flo, Add	84.30	
33 41 13 00-0611 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	210.75	56.13
For Bituminous Coated Pipe, Add	24.62	
For Bituminous Coated And 25% Paved, Add	56.14	
For Smooth-Flo, Add	89.13	
33 41 13 00-0612 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	223.55	59.87
For Bituminous Coated Pipe, Add	25.95	
For Bituminous Coated And 25% Paved, Add	59.17	
For Smooth-Flo, Add	93.95	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0613	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	236.99 27.30 62.25 98.84	63.61
33 41	13 00-0614	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	252.58 28.68 65.40 103.83	67.36
33 41 13 00-0615 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0603)</small>					
33 41	13 00-0616	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.26 14.39 33.82 61.23	25.44
33 41	13 00-0617	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	132.27 15.71 36.91 66.84	26.94
33 41	13 00-0618	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.16 19.34 45.44 82.27	32.93
33 41	13 00-0619	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	198.45 20.64 48.50 87.82	47.89
33 41	13 00-0620	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	214.73 21.99 51.68 93.58	52.38
33 41	13 00-0621	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.87 23.32 54.81 99.24	56.13
33 41	13 00-0622	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	242.31 24.51 57.61 104.31	59.87
33 41	13 00-0623	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	257.65 25.97 61.04 110.52	63.61
33 41	13 00-0624	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	274.35 27.30 64.16 116.16	67.36
33 41	13 00-0625	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.74 28.61 67.24 121.75	74.84
33 41	13 00-0626	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	310.99 29.96 70.41 127.48	82.32
33 41 13 00-0627 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0603)</small>					
33 41	13 00-0628	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.74 20.60 39.14 70.66	26.94
33 41	13 00-0629	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	188.11 24.73 46.98 84.81	32.93
33 41	13 00-0630	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	227.97 26.54 50.43 91.05	47.89
33 41	13 00-0631	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.52 28.35 53.87 97.24	52.38
33 41	13 00-0632	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.96 30.14 57.27 103.38	56.13
33 41	13 00-0633	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	279.51 31.95 60.71 109.60	59.87

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0634	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	296.55 33.75 64.13 115.78	63.61
33 41	13 00-0635	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.61 35.55 67.55 121.94	67.36
33 41	13 00-0636	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.50 37.37 71.00 128.17	74.84
33 41	13 00-0637	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.02 39.17 74.42 134.34	82.32
33 41	13 00-0638	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	376.59 40.97 77.84 140.52	89.81
33 41	13 00-0639		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0603)</small>		
33 41	13 00-0640	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	256.25 32.20 61.18 96.12	47.89
33 41	13 00-0641	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	277.42 34.53 65.61 103.07	52.38
33 41	13 00-0642	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	296.32 36.81 69.94 109.88	56.13
33 41	13 00-0643	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.10 39.07 74.24 116.63	59.87
33 41	13 00-0644	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	334.56 41.36 78.58 123.45	63.61
33 41	13 00-0645	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	355.95 43.62 82.88 130.21	67.36
33 41	13 00-0646	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	379.18 45.90 87.21 137.02	74.84
33 41	13 00-0647	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.08 48.18 91.54 143.81	82.32
33 41	13 00-0648	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	423.96 50.44 95.84 150.57	89.81
33 41	13 00-0649	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	450.97 53.43 101.52 159.49	97.29
33 41	13 00-0650	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	477.16 55.90 106.20 166.85	104.77
33 41	13 00-0651	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	506.10 58.46 111.07 174.49	112.26
33 41	13 00-0652		Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0510)</small>		
33 41	13 00-0653		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0652)</small>		
33 41	13 00-0654	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	33.08 3.78	8.63
33 41	13 00-0655	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.52 4.51	9.34
33 41	13 00-0656	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.69 5.12	10.07
33 41	13 00-0657	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	54.86 6.60	12.94



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0658	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	70.40 8.27	16.46
33 41	13 00-0659	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	79.94 9.75	19.46
33 41	13 00-0660	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	90.08 10.97	22.45
33 41	13 00-0661	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	107.00 13.44	25.44
33 41	13 00-0662	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	116.71 14.67	26.94
33 41	13 00-0663		14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0652)		
33 41	13 00-0664	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.79 4.38	8.63
33 41	13 00-0665	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	40.69 5.20	9.34
33 41	13 00-0666	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	45.30 5.91	10.07
33 41	13 00-0667	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	59.35 7.58	12.94
33 41	13 00-0668	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	75.80 9.44	16.46
33 41	13 00-0669	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	86.26 11.12	19.46
33 41	13 00-0670	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	97.29 12.55	22.45
33 41	13 00-0671	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	115.11 15.20	25.44
33 41	13 00-0672	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	125.74 16.63	26.94
33 41	13 00-0673	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	153.94 20.67	32.93
33 41	13 00-0674	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	190.84 22.08	47.89
33 41	13 00-0675	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	206.60 23.52	52.38
33 41	13 00-0676		12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0652)		
33 41	13 00-0677	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	68.44 7.92	12.94
33 41	13 00-0678	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	86.67 9.78	16.46
33 41	13 00-0679	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	98.98 11.51	19.46
33 41	13 00-0680	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	111.80 13.01	22.45
33 41	13 00-0681	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	131.46 15.53	25.44
33 41	13 00-0682	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	143.92 17.05	26.94
33 41	13 00-0683	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	173.90 20.68	32.93
33 41	13 00-0684	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	212.59 22.18	47.89
33 41	13 00-0685	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	230.13 23.69	52.38
33 41	13 00-0686	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	245.61 25.20	56.13
33 41	13 00-0687	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	261.05 26.71	59.87
33 41	13 00-0688	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	277.06 28.21	63.61
33 41	13 00-0689	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	294.22 29.55	67.36
33 41	13 00-0690		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0510)		
33 41	13 00-0691		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0690)		
33 41	13 00-0692	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.58 0.97	4.31
33 41	13 00-0693	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.38 1.16	4.31
33 41	13 00-0694	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.68 1.28	5.39
33 41	13 00-0695	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.71 1.53	5.39
33 41	13 00-0696	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.83 1.61	6.47
33 41	13 00-0697	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.13 1.93	6.47

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0698			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			^{41 13 00-0690}		
33 41 13 00-0699	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	12.69	4.31
			<i>For Bituminous Coated Pipe, Add</i>	0.95	
33 41 13 00-0700	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.47	4.31
			<i>For Bituminous Coated Pipe, Add</i>	1.14	
33 41 13 00-0701	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.80	5.39
			<i>For Bituminous Coated Pipe, Add</i>	1.25	
33 41 13 00-0702	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	16.88	5.39
			<i>For Bituminous Coated Pipe, Add</i>	1.51	
33 41 13 00-0703	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	20.03	6.47
			<i>For Bituminous Coated Pipe, Add</i>	1.59	
33 41 13 00-0704	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.36	6.47
			<i>For Bituminous Coated Pipe, Add</i>	1.90	
33 41 13 00-0705			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings ^{(33 41 13 00-}		
			⁰⁶⁹⁰⁾		
33 41 13 00-0706	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	5.97	
			<i>For Bituminous Coated Pipe, Add</i>	1.34	
33 41 13 00-0707	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	7.91	
			<i>For Bituminous Coated Pipe, Add</i>	1.78	
33 41 13 00-0708	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	9.69	
			<i>For Bituminous Coated Pipe, Add</i>	2.18	
33 41 13 00-0709	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.54	
			<i>For Bituminous Coated Pipe, Add</i>	2.97	
33 41 13 00-0710	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	5.92	
			<i>For Bituminous Coated Pipe, Add</i>	0.68	
33 41 13 00-0711	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	7.31	
			<i>For Bituminous Coated Pipe, Add</i>	1.02	
33 41 13 00-0712			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 41 13 00-0510)		
33 41 13 00-0713			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41}		
			^{13 00-0712)}		
33 41 13 00-0714	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	35.84	7.55
33 41 13 00-0715	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	41.64	7.91
33 41 13 00-0716	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	47.61	8.63
33 41 13 00-0717	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	54.96	9.34
33 41 13 00-0718	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	61.15	10.07
33 41 13 00-0719	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	80.25	12.94
33 41 13 00-0720	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	102.71	16.46
33 41 13 00-0721	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	118.29	19.46
33 41 13 00-0722	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	132.81	22.45
33 41 13 00-0723			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41}		
			^{13 00-0712)}		
33 41 13 00-0724	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	40.21	7.55
33 41 13 00-0725	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	47.04	7.91
33 41 13 00-0726	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	54.09	8.63
33 41 13 00-0727	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	62.45	9.34
33 41 13 00-0728	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	69.86	10.07
33 41 13 00-0729	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	90.94	12.94
33 41 13 00-0730	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	115.61	16.46
33 41 13 00-0731	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	133.09	19.46
33 41 13 00-0732	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	149.71	22.45
33 41 13 00-0733	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	180.58	25.44
33 41 13 00-0734			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41}		
			^{13 00-0712)}		
33 41 13 00-0735	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	67.58	8.63
33 41 13 00-0736	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	78.21	9.34
33 41 13 00-0737	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	87.77	10.07
33 41 13 00-0738	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	113.32	12.94
33 41 13 00-0739	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	136.97	16.46
33 41 13 00-0740	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	164.39	19.46
33 41 13 00-0741	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	185.43	22.45
33 41 13 00-0742	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	221.34	25.44
33 41 13 00-0743	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	241.82	26.94
33 41 13 00-0744	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	295.83	32.93
33 41 13 00-0745			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41}		
			^{13 00-0712)}		
33 41 13 00-0746	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	166.98	16.46
33 41 13 00-0747	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	192.90	19.46
33 41 13 00-0748	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	217.81	22.45
33 41 13 00-0749	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	257.62	25.44
33 41 13 00-0750	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	282.21	26.94



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0751 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	340.19	32.93
33 41 13 00-0752 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	390.85	47.89
33 41 13 00-0753 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0510)		
33 41 13 00-0754 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0753)		
33 41 13 00-0755 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	127.47	16.46
33 41 13 00-0756 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	146.85	19.46
33 41 13 00-0757 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	164.83	22.45
33 41 13 00-0758 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	198.79	25.44
33 41 13 00-0759 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	216.46	26.94
33 41 13 00-0760 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	274.60	32.93
33 41 13 00-0761 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	319.05	47.89
33 41 13 00-0762 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	342.24	52.38
33 41 13 00-0763 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	363.45	56.13
33 41 13 00-0764 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	384.66	59.87
33 41 13 00-0765 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	406.37	63.61
33 41 13 00-0766 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	430.23	67.36
33 41 13 00-0767 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0753)		
33 41 13 00-0768 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	222.12	25.44
33 41 13 00-0769 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	242.24	26.94
33 41 13 00-0770 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	303.00	32.93
33 41 13 00-0771 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	349.94	47.89
33 41 13 00-0772 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	375.65	52.38
33 41 13 00-0773 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	399.47	56.13
33 41 13 00-0774 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	423.14	59.87
33 41 13 00-0775 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	447.35	63.61
33 41 13 00-0776 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	473.76	67.36
33 41 13 00-0777 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	501.84	74.84
33 41 13 00-0778 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	529.33	82.32
33 41 13 00-0779 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0753)		
33 41 13 00-0780 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	300.90	26.94
33 41 13 00-0781 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	368.25	32.93
33 41 13 00-0782 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	420.84	47.89
33 41 13 00-0783 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	452.24	52.38
33 41 13 00-0784 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	481.73	56.13
33 41 13 00-0785 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	511.08	59.87
33 41 13 00-0786 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	541.03	63.61
33 41 13 00-0787 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	573.08	67.36
33 41 13 00-0788 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	606.78	74.84
33 41 13 00-0789 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	640.04	82.32
33 41 13 00-0790 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	672.59	89.81
33 41 13 00-0791 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0753)		
33 41 13 00-0792 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	485.46	47.89
33 41 13 00-0793 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	522.12	52.38
33 41 13 00-0794 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	556.91	56.13
33 41 13 00-0795 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	591.55	59.87
33 41 13 00-0796 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	626.82	63.61
33 41 13 00-0797 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	664.17	67.36
33 41 13 00-0798 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	703.18	74.84
33 41 13 00-0799 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	741.71	82.32
33 41 13 00-0800 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	779.57	89.81
33 41 13 00-0801 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	818.72	97.29
33 41 13 00-0802 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	859.87	104.77
33 41 13 00-0803 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	903.33	112.26
33 41 13 00-0804 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0510)		
33 41 13 00-0805 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0804)		
33 41 13 00-0806 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	159.81	22.45
33 41 13 00-0807 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	193.26	25.44
33 41 13 00-0808 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	210.12	26.94
33 41 13 00-0809 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	262.82	32.93
33 41 13 00-0810 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	306.30	47.89
33 41 13 00-0811 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	328.49	52.38
33 41 13 00-0812 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	348.56	56.13
33 41 13 00-0813 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	368.57	59.87
33 41 13 00-0814 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	389.33	63.61
33 41 13 00-0815 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	412.49	67.36

33 Utilities
33 40 Storm Drainage Utilities
33 41 Storm Utility Drainage Piping



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 41 13 00-0816	14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0804)</small>		
33 41 13 00-0817	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	220.96	25.44
33 41 13 00-0818	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	240.98	26.94
33 41 13 00-0819	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	296.47	32.93
33 41 13 00-0820	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	342.66	47.89
33 41 13 00-0821	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	368.13	52.38
33 41 13 00-0822	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	391.29	56.13
33 41 13 00-0823	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	412.85	59.87
33 41 13 00-0824	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	438.11	63.61
33 41 13 00-0825	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	463.85	67.36
33 41 13 00-0826	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	491.15	74.84
33 41 13 00-0827	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	518.56	82.32
33 41 13 00-0828	12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0804)</small>		
33 41 13 00-0829	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	302.82	26.94
33 41 13 00-0830	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	364.89	32.93
33 41 13 00-0831	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	417.55	47.89
33 41 13 00-0832	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	448.71	52.38
33 41 13 00-0833	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	477.66	56.13
33 41 13 00-0834	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	506.95	59.87
33 41 13 00-0835	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	536.62	63.61
33 41 13 00-0836	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	568.24	67.36
33 41 13 00-0837	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	601.86	74.84
33 41 13 00-0838	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	635.01	82.32
33 41 13 00-0839	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	667.19	89.81
33 41 13 00-0840	10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0804)</small>		
33 41 13 00-0841	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	485.43	47.89
33 41 13 00-0842	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	522.90	52.38
33 41 13 00-0843	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	557.80	56.13
33 41 13 00-0844	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	592.43	59.87
33 41 13 00-0845	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	627.85	63.61
33 41 13 00-0846	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	665.15	67.36
33 41 13 00-0847	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	704.32	74.84
33 41 13 00-0848	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	743.17	82.32
33 41 13 00-0849	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	780.95	89.81
33 41 13 00-0850	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	828.88	97.29
33 41 13 00-0851	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	872.36	104.77
33 41 13 00-0852	LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	919.23	112.26
33 41 13 00-0853	Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0509)</small>		
33 41 13 00-0854	2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0853)</small>		
33 41 13 00-0855	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0854)</small>		
33 41 13 00-0856	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	27.30	7.91
	For Bituminous Coated Pipe, Add	2.75	
	For Bituminous Coated And 25% Paved, Add	6.65	
	For Smooth-Flo, Add	10.97	
33 41 13 00-0857	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	30.04	8.63
	For Bituminous Coated Pipe, Add	3.29	
	For Bituminous Coated And 25% Paved, Add	7.95	
	For Smooth-Flo, Add	13.11	
33 41 13 00-0858	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	34.06	9.34
	For Bituminous Coated Pipe, Add	3.96	
	For Bituminous Coated And 25% Paved, Add	9.57	
	For Smooth-Flo, Add	15.78	
33 41 13 00-0859	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	38.03	10.07
	For Bituminous Coated Pipe, Add	4.56	
	For Bituminous Coated And 25% Paved, Add	11.02	
	For Smooth-Flo, Add	18.18	
33 41 13 00-0860	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.80	12.94
	For Bituminous Coated Pipe, Add	5.79	
	For Bituminous Coated And 25% Paved, Add	14.00	
	For Smooth-Flo, Add	23.09	
33 41 13 00-0861	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.90	16.46
	For Bituminous Coated Pipe, Add	7.47	
	For Bituminous Coated And 25% Paved, Add	18.05	
	For Smooth-Flo, Add	29.77	
33 41 13 00-0862	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0854)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 41	13 00-0863	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	29.53 2.86 6.68 10.96	7.91
	33 41	13 00-0864	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	32.77 3.42 8.01 13.14	8.63
	33 41	13 00-0865	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	37.10 4.07 9.52 15.62	9.34
	33 41	13 00-0866	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	41.55 4.69 10.98 18.01	10.07
	33 41	13 00-0867	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.20 5.94 13.91 22.81	12.94
	33 41	13 00-0868	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	70.13 7.57 17.71 29.05	16.46
	33 41	13 00-0869	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.05 9.02 21.10 34.61	19.46
33 41 13 00-0870 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0854)</small>						
	33 41	13 00-0871	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	41.85 3.70 8.24 12.67	8.98
	33 41	13 00-0872	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.45 4.39 9.78 15.03	9.73
	33 41	13 00-0873	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	53.08 5.04 11.22 17.24	10.48
	33 41	13 00-0874	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	68.91 6.34 14.12 21.71	13.47
	33 41	13 00-0875	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.81 7.94 17.67 27.17	16.46
	33 41	13 00-0876	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.37 9.39 20.89 32.13	19.46
	33 41	13 00-0877	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	107.34 11.13 24.78 38.10	22.45
	33 41	13 00-0878	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.38 12.30 27.36 42.07	25.44
33 41 13 00-0879 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0854)</small>						
	33 41	13 00-0880	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	90.86 9.57 20.14 25.40	16.46
	33 41	13 00-0881	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	104.09 11.28 23.76 29.96	19.46
	33 41	13 00-0882	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.62 13.28 27.95 35.25	22.45
	33 41	13 00-0883	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.40 14.72 30.99 39.08	25.44

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0884 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	148.24	26.94
For Bituminous Coated Pipe, Add	16.16	
For Bituminous Coated And 25% Paved, Add	34.02	
For Smooth-Flo, Add	42.91	
33 41 13 00-0885 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 41 13 00-0853)		
33 41 13 00-0886 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 41 13 00-0885)		
33 41 13 00-0887 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	120.24	25.44
For Bituminous Coated Pipe, Add	14.19	
For Bituminous Coated And 25% Paved, Add	43.13	
For Smooth-Flo, Add	48.23	
33 41 13 00-0888 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	131.35	26.94
For Bituminous Coated Pipe, Add	15.52	
For Bituminous Coated And 25% Paved, Add	47.19	
For Smooth-Flo, Add	52.78	
33 41 13 00-0889 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	161.97	32.93
For Bituminous Coated Pipe, Add	19.50	
For Bituminous Coated And 25% Paved, Add	59.27	
For Smooth-Flo, Add	66.29	
33 41 13 00-0890 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	199.77	47.89
For Bituminous Coated Pipe, Add	20.90	
For Bituminous Coated And 25% Paved, Add	63.55	
For Smooth-Flo, Add	71.07	
33 41 13 00-0891 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	216.67	52.38
For Bituminous Coated Pipe, Add	22.38	
For Bituminous Coated And 25% Paved, Add	68.04	
For Smooth-Flo, Add	76.09	
33 41 13 00-0892 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	231.58	56.13
For Bituminous Coated Pipe, Add	23.86	
For Bituminous Coated And 25% Paved, Add	72.55	
For Smooth-Flo, Add	81.14	
33 41 13 00-0893 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	246.44	59.87
For Bituminous Coated Pipe, Add	25.34	
For Bituminous Coated And 25% Paved, Add	77.03	
For Smooth-Flo, Add	86.16	
33 41 13 00-0894 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	261.84	63.61
For Bituminous Coated Pipe, Add	26.81	
For Bituminous Coated And 25% Paved, Add	81.51	
For Smooth-Flo, Add	91.16	
33 41 13 00-0895 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 41 13 00-0885)		
33 41 13 00-0896 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	154.45	26.94
For Bituminous Coated Pipe, Add	20.14	
For Bituminous Coated And 25% Paved, Add	52.78	
For Smooth-Flo, Add	62.45	
33 41 13 00-0897 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	187.59	32.93
For Bituminous Coated Pipe, Add	24.62	
For Bituminous Coated And 25% Paved, Add	64.51	
For Smooth-Flo, Add	76.33	
33 41 13 00-0898 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	227.66	47.89
For Bituminous Coated Pipe, Add	26.48	
For Bituminous Coated And 25% Paved, Add	69.38	
For Smooth-Flo, Add	82.09	
33 41 13 00-0899 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	246.81	52.38
For Bituminous Coated Pipe, Add	28.41	
For Bituminous Coated And 25% Paved, Add	74.43	
For Smooth-Flo, Add	88.06	
33 41 13 00-0900 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.98	56.13
For Bituminous Coated Pipe, Add	30.34	
For Bituminous Coated And 25% Paved, Add	79.50	
For Smooth-Flo, Add	94.07	
33 41 13 00-0901 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	281.11	59.87
For Bituminous Coated Pipe, Add	32.27	
For Bituminous Coated And 25% Paved, Add	84.56	
For Smooth-Flo, Add	100.05	
33 41 13 00-0902 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	298.76	63.61
For Bituminous Coated Pipe, Add	34.20	
For Bituminous Coated And 25% Paved, Add	89.59	
For Smooth-Flo, Add	106.01	
33 41 13 00-0903 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	318.55	67.36
For Bituminous Coated Pipe, Add	36.14	
For Bituminous Coated And 25% Paved, Add	94.69	
For Smooth-Flo, Add	112.03	
33 41 13 00-0904 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	340.02	74.84
For Bituminous Coated Pipe, Add	38.07	
For Bituminous Coated And 25% Paved, Add	99.74	
For Smooth-Flo, Add	118.02	
33 41 13 00-0905 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	362.15	82.32
For Bituminous Coated Pipe, Add	40.19	
For Bituminous Coated And 25% Paved, Add	105.30	
For Smooth-Flo, Add	124.60	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0906 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0885)</small>		
33 41 13 00-0907 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	253.58	47.89
For Bituminous Coated Pipe, Add	31.67	
For Bituminous Coated And 25% Paved, Add	75.37	
For Smooth-Flo, Add	81.86	
33 41 13 00-0908 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	274.88	52.38
For Bituminous Coated Pipe, Add	34.02	
For Bituminous Coated And 25% Paved, Add	80.97	
For Smooth-Flo, Add	87.95	
33 41 13 00-0909 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	294.17	56.13
For Bituminous Coated Pipe, Add	36.38	
For Bituminous Coated And 25% Paved, Add	86.59	
For Smooth-Flo, Add	94.05	
33 41 13 00-0910 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	313.39	59.87
For Bituminous Coated Pipe, Add	38.73	
For Bituminous Coated And 25% Paved, Add	92.18	
For Smooth-Flo, Add	100.12	
33 41 13 00-0911 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	333.18	63.61
For Bituminous Coated Pipe, Add	41.08	
For Bituminous Coated And 25% Paved, Add	97.77	
For Smooth-Flo, Add	106.19	
33 41 13 00-0912 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	355.08	67.36
For Bituminous Coated Pipe, Add	43.45	
For Bituminous Coated And 25% Paved, Add	103.40	
For Smooth-Flo, Add	112.31	
33 41 13 00-0913 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	378.68	74.84
For Bituminous Coated Pipe, Add	45.80	
For Bituminous Coated And 25% Paved, Add	109.01	
For Smooth-Flo, Add	118.40	
33 41 13 00-0914 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	402.77	82.32
For Bituminous Coated Pipe, Add	48.32	
For Bituminous Coated And 25% Paved, Add	114.99	
For Smooth-Flo, Add	124.90	
33 41 13 00-0915 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	428.42	89.81
For Bituminous Coated Pipe, Add	51.33	
For Bituminous Coated And 25% Paved, Add	122.17	
For Smooth-Flo, Add	132.70	
33 41 13 00-0916 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0853)</small>		
33 41 13 00-0917 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0916)</small>		
33 41 13 00-0918 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	230.21	47.89
For Bituminous Coated Pipe, Add	26.99	
For Bituminous Coated And 25% Paved, Add	65.86	
For Smooth-Flo, Add	83.81	
33 41 13 00-0919 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.11	52.38
For Bituminous Coated Pipe, Add	28.87	
For Bituminous Coated And 25% Paved, Add	70.44	
For Smooth-Flo, Add	89.64	
33 41 13 00-0920 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	265.88	56.13
For Bituminous Coated Pipe, Add	30.72	
For Bituminous Coated And 25% Paved, Add	74.97	
For Smooth-Flo, Add	95.40	
33 41 13 00-0921 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	282.63	59.87
For Bituminous Coated Pipe, Add	32.58	
For Bituminous Coated And 25% Paved, Add	79.49	
For Smooth-Flo, Add	101.15	
33 41 13 00-0922 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	300.01	63.61
For Bituminous Coated Pipe, Add	34.45	
For Bituminous Coated And 25% Paved, Add	84.05	
For Smooth-Flo, Add	106.95	
33 41 13 00-0923 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	319.59	67.36
For Bituminous Coated Pipe, Add	36.35	
For Bituminous Coated And 25% Paved, Add	88.69	
For Smooth-Flo, Add	112.86	
33 41 13 00-0924 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	340.86	74.84
For Bituminous Coated Pipe, Add	38.24	
For Bituminous Coated And 25% Paved, Add	93.30	
For Smooth-Flo, Add	118.73	
33 41 13 00-0925 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	364.22	82.32
For Bituminous Coated Pipe, Add	40.61	
For Bituminous Coated And 25% Paved, Add	99.08	
For Smooth-Flo, Add	126.08	
33 41 13 00-0926 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0916)</small>		

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0927 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	258.89 32.73 73.97 80.35	47.89
33 41 13 00-0928 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	280.09 35.06 79.24 86.08	52.38
33 41 13 00-0929 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.19 37.39 84.49 91.78	56.13
33 41 13 00-0930 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	318.35 39.72 89.77 97.52	59.87
33 41 13 00-0931 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.67 41.98 94.87 103.06	63.61
33 41 13 00-0932 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	359.89 44.41 100.36 109.02	67.36
33 41 13 00-0933 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	383.53 46.77 105.70 114.83	74.84
33 41 13 00-0934 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	409.25 49.61 112.12 121.80	82.32
33 41 13 00-0935 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	433.22 52.29 118.18 128.38	89.81
33 41 13 00-0936 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0853)</small>		
33 41 13 00-0937 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0936)</small>		
33 41 13 00-0938 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	41.68	7.91
33 41 13 00-0939 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	47.22	8.63
33 41 13 00-0940 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	54.79	9.34
33 41 13 00-0941 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	61.95	10.07
33 41 13 00-0942 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	80.27	12.94
33 41 13 00-0943 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	104.49	16.46
33 41 13 00-0944 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0936)</small>		
33 41 13 00-0945 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	46.81	7.91
33 41 13 00-0946 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	53.49	8.63
33 41 13 00-0947 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	61.79	9.34
33 41 13 00-0948 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	70.08	10.07
33 41 13 00-0949 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	90.39	12.94
33 41 13 00-0950 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	116.52	16.46
33 41 13 00-0951 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	135.42	19.46
33 41 13 00-0952 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0936)</small>		
33 41 13 00-0953 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	68.85	8.63
33 41 13 00-0954 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	79.99	9.34
33 41 13 00-0955 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	90.70	10.07
33 41 13 00-0956 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	116.11	12.94
33 41 13 00-0957 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	147.59	16.46
33 41 13 00-0958 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.61	19.46
33 41 13 00-0959 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	201.95	22.45
33 41 13 00-0960 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	224.58	25.44
33 41 13 00-0961 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0936)</small>		
33 41 13 00-0962 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.96	16.46
33 41 13 00-0963 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	200.04	19.46
33 41 13 00-0964 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	234.19	22.45
33 41 13 00-0965 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	261.03	25.44
33 41 13 00-0966 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	285.88	26.94
33 41 13 00-0967 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0853)</small>		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0968		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0967)</small>		
	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	226.70	25.44
	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	247.63	26.94
	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	309.25	32.93
	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	357.44	47.89
	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	385.28	52.38
	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	411.17	56.13
	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	436.95	59.87
	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	463.33	63.61
33 41 13 00-0977		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0967)</small>		
	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.40	26.94
	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	374.67	32.93
	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	428.64	47.89
	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	462.16	52.38
	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	493.75	56.13
	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	525.30	59.87
	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	557.33	63.61
	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	591.58	67.36
	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	627.47	74.84
	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	665.46	82.32
33 41 13 00-0988		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0967)</small>		
	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	493.24	47.89
	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	532.09	52.38
	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	569.03	56.13
	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	605.76	59.87
	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	643.11	63.61
	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	682.65	67.36
	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	723.85	74.84
	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	766.69	82.32
	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	814.86	89.81
33 41 13 00-0998		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0953)</small>		
33 41 13 00-0999		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0998)</small>		
	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	422.83	47.89
	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	454.90	52.38
	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	484.68	56.13
	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	514.41	59.87
	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	544.88	63.61
	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	577.78	67.36
	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	612.27	74.84
	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.22	82.32
33 41 13 00-1008		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0998)</small>		
	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	491.73	47.89
	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.26	52.38
	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	564.63	56.13
	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	600.15	59.87
	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	635.31	63.61
	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	674.53	67.36
	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	714.75	74.84
	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	760.43	82.32
	LF	142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	803.08	89.81
33 41 13 00-1018		Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0509)</small>		
33 41 13 00-1019		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1018)</small>		
33 41 13 00-1020		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1019)</small>		
	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	25.82	7.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.09	
	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.01	7.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.16	
	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	32.31	8.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.25	
	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	36.66	9.34
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.47	

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1025	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.55 8.42	10.07
33 41	13 00-1026	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.57 10.92	12.94
33 41	13 00-1027	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.01 13.77	16.46
33 41	13 00-1028	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.42 16.29	19.46
33 41	13 00-1029	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.16 18.25	22.45
33 41	13 00-1030		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1019)</small>		
33 41	13 00-1031	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.03 3.89	7.55
33 41	13 00-1032	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.74 4.88	7.91
33 41	13 00-1033	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.56 5.90	8.63
33 41	13 00-1034	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.44 7.02	9.34
33 41	13 00-1035	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.93 7.94	10.07
33 41	13 00-1036	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.93 10.20	12.94
33 41	13 00-1037	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.49 12.78	16.46
33 41	13 00-1038	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.89 15.05	19.46
33 41	13 00-1039	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.67 16.91	22.45
33 41	13 00-1040	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.32 20.79	25.44
33 41	13 00-1041		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1019)</small>		
33 41	13 00-1042	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.40 5.50	8.63
33 41	13 00-1043	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.42 6.50	9.34
33 41	13 00-1044	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.00 7.37	10.07
33 41	13 00-1045	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.25 9.40	12.94
33 41	13 00-1046	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.15 11.66	16.46
33 41	13 00-1047	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.71 13.68	19.46
33 41	13 00-1048	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	114.72 15.42	22.45
33 41	13 00-1049	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.94 18.63	25.44
33 41	13 00-1050	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.45 20.36	26.94
33 41	13 00-1051	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	180.96 25.04	32.93
33 41	13 00-1052		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1019)</small>		
33 41	13 00-1053	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.43 12.77	16.46
33 41	13 00-1054	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.08 14.97	19.46
33 41	13 00-1055	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.03 16.91	22.45
33 41	13 00-1056	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	154.22 20.14	25.44
33 41	13 00-1057	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	168.80 22.09	26.94
33 41	13 00-1058	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.31 26.66	32.93
33 41	13 00-1059	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	244.09 28.58	47.89
33 41	13 00-1060		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1018)</small>		
33 41	13 00-1061		16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1062 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.66	16.46
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>15.31</i>	
33 41 13 00-1063 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.47	19.46
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>17.98</i>	
33 41 13 00-1064 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.59	22.45
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>20.16</i>	
33 41 13 00-1065 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.68	25.44
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>24.63</i>	
33 41 13 00-1066 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.39	26.94
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>26.83</i>	
33 41 13 00-1067 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	162.95	32.93
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>34.46</i>	
33 41 13 00-1068 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.20	47.89
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>36.73</i>	
33 41 13 00-1069 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.23	52.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>39.01</i>	
33 41 13 00-1070 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.24	56.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>41.29</i>	
33 41 13 00-1071 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	244.25	59.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>43.58</i>	
33 41 13 00-1072 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	258.80	63.61
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>45.86</i>	
33 41 13 00-1073 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.43	67.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>48.15</i>	
33 41 13 00-1074 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-1060)</small>		
33 41 13 00-1075 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.77	25.44
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>21.34</i>	
33 41 13 00-1076 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.65	26.94
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>23.30</i>	
33 41 13 00-1077 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.44	32.93
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>29.33</i>	
33 41 13 00-1078 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.90	47.89
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>31.35</i>	
33 41 13 00-1079 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	232.12	52.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>33.37</i>	
33 41 13 00-1080 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.38	56.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>35.40</i>	
33 41 13 00-1081 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.56	59.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>37.42</i>	
33 41 13 00-1082 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.29	63.61
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>39.43</i>	
33 41 13 00-1083 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.11	67.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>41.46</i>	
33 41 13 00-1084 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.67	74.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>43.49</i>	
33 41 13 00-1085 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	334.80	82.32
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>45.49</i>	
33 41 13 00-1086 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-1060)</small>		
33 41 13 00-1087 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	169.90	26.94
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>31.25</i>	
33 41 13 00-1088 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	206.61	32.93
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>38.23</i>	
33 41 13 00-1089 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.70	47.89
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>41.01</i>	
33 41 13 00-1090 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.58	52.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>43.80</i>	
33 41 13 00-1091 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	285.47	56.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>46.59</i>	
33 41 13 00-1092 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.32	59.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>49.38</i>	
33 41 13 00-1093 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.70	63.61
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>52.16</i>	
33 41 13 00-1094 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.17	67.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>54.96</i>	
33 41 13 00-1095 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	364.35	74.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>57.75</i>	
33 41 13 00-1096 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	386.15	82.32
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>60.51</i>	
33 41 13 00-1097 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.11	89.81
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>63.31</i>	
33 41 13 00-1098 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-1060)</small>		
33 41 13 00-1099 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.28	47.89
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>50.33</i>	
33 41 13 00-1100 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	300.63	52.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	<i>53.86</i>	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1101 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.04	56.13
For 1/2 Bituminous Coated And 25% Paved, Add	57.41	
33 41 13 00-1102 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	341.36	59.87
For 1/2 Bituminous Coated And 25% Paved, Add	60.95	
33 41 13 00-1103 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	362.29	63.61
For 1/2 Bituminous Coated And 25% Paved, Add	64.49	
33 41 13 00-1104 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.29	67.36
For 1/2 Bituminous Coated And 25% Paved, Add	68.05	
33 41 13 00-1105 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	409.95	74.84
For 1/2 Bituminous Coated And 25% Paved, Add	71.58	
33 41 13 00-1106 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	434.25	82.32
For 1/2 Bituminous Coated And 25% Paved, Add	75.09	
33 41 13 00-1107 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	457.74	89.81
For 1/2 Bituminous Coated And 25% Paved, Add	78.65	
33 41 13 00-1108 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	482.62	97.29
For 1/2 Bituminous Coated And 25% Paved, Add	82.17	
33 41 13 00-1109 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	509.39	104.77
For 1/2 Bituminous Coated And 25% Paved, Add	85.72	
33 41 13 00-1110 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	538.46	112.26
For 1/2 Bituminous Coated And 25% Paved, Add	89.28	
33 41 13 00-1111 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1018)		
33 41 13 00-1112 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1111)		
33 41 13 00-1113 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.94	22.45
For 1/2 Bituminous Coated And 25% Paved, Add	24.98	
33 41 13 00-1114 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.32	25.44
For 1/2 Bituminous Coated And 25% Paved, Add	30.61	
33 41 13 00-1115 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.95	26.94
For 1/2 Bituminous Coated And 25% Paved, Add	33.28	
33 41 13 00-1116 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.70	32.93
For 1/2 Bituminous Coated And 25% Paved, Add	41.90	
33 41 13 00-1117 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	198.81	47.89
For 1/2 Bituminous Coated And 25% Paved, Add	44.63	
33 41 13 00-1118 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.67	52.38
For 1/2 Bituminous Coated And 25% Paved, Add	47.37	
33 41 13 00-1119 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.45	56.13
For 1/2 Bituminous Coated And 25% Paved, Add	50.08	
33 41 13 00-1120 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.19	59.87
For 1/2 Bituminous Coated And 25% Paved, Add	52.78	
33 41 13 00-1121 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.61	63.61
For 1/2 Bituminous Coated And 25% Paved, Add	55.53	
33 41 13 00-1122 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.20	67.36
For 1/2 Bituminous Coated And 25% Paved, Add	58.34	
33 41 13 00-1123 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1111)		
33 41 13 00-1124 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.19	25.44
For 1/2 Bituminous Coated And 25% Paved, Add	28.86	
33 41 13 00-1125 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.40	26.94
For 1/2 Bituminous Coated And 25% Paved, Add	31.51	
33 41 13 00-1126 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.52	32.93
For 1/2 Bituminous Coated And 25% Paved, Add	38.77	
33 41 13 00-1127 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	217.01	47.89
For 1/2 Bituminous Coated And 25% Paved, Add	41.40	
33 41 13 00-1128 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	234.49	52.38
For 1/2 Bituminous Coated And 25% Paved, Add	44.10	
33 41 13 00-1129 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	249.82	56.13
For 1/2 Bituminous Coated And 25% Paved, Add	46.77	
33 41 13 00-1130 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.35	59.87
For 1/2 Bituminous Coated And 25% Paved, Add	49.17	
33 41 13 00-1131 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.98	63.61
For 1/2 Bituminous Coated And 25% Paved, Add	52.09	
33 41 13 00-1132 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	298.89	67.36
For 1/2 Bituminous Coated And 25% Paved, Add	54.75	
33 41 13 00-1133 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.46	74.84
For 1/2 Bituminous Coated And 25% Paved, Add	57.39	
33 41 13 00-1134 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.93	82.32
For 1/2 Bituminous Coated And 25% Paved, Add	60.09	
33 41 13 00-1135 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1111)		
33 41 13 00-1136 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.28	26.94
For 1/2 Bituminous Coated And 25% Paved, Add	34.76	
33 41 13 00-1137 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	210.36	32.93
For 1/2 Bituminous Coated And 25% Paved, Add	41.72	
33 41 13 00-1138 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	251.87	47.89
For 1/2 Bituminous Coated And 25% Paved, Add	44.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 41 13 00-1139 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	272.02	52.38
				For 1/2 Bituminous Coated And 25% Paved, Add	47.83	
				33 41 13 00-1140 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	290.08	56.13
				For 1/2 Bituminous Coated And 25% Paved, Add	50.86	
				33 41 13 00-1141 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	308.28	59.87
				For 1/2 Bituminous Coated And 25% Paved, Add	53.92	
				33 41 13 00-1142 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	326.93	63.61
				For 1/2 Bituminous Coated And 25% Paved, Add	56.96	
				33 41 13 00-1143 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	347.61	67.36
				For 1/2 Bituminous Coated And 25% Paved, Add	59.99	
				33 41 13 00-1144 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	370.13	74.84
				For 1/2 Bituminous Coated And 25% Paved, Add	63.05	
				33 41 13 00-1145 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	392.28	82.32
				For 1/2 Bituminous Coated And 25% Paved, Add	66.09	
				33 41 13 00-1146 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	413.47	89.81
				For 1/2 Bituminous Coated And 25% Paved, Add	69.13	
				33 41 13 00-1147 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1111)</small>		
				33 41 13 00-1148 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	285.25	47.89
				For 1/2 Bituminous Coated And 25% Paved, Add	54.34	
				33 41 13 00-1149 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	308.51	52.38
				For 1/2 Bituminous Coated And 25% Paved, Add	58.27	
				33 41 13 00-1150 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	329.46	56.13
				For 1/2 Bituminous Coated And 25% Paved, Add	62.12	
				33 41 13 00-1151 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	350.29	59.87
				For 1/2 Bituminous Coated And 25% Paved, Add	65.94	
				33 41 13 00-1152 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	371.78	63.61
				For 1/2 Bituminous Coated And 25% Paved, Add	69.78	
				33 41 13 00-1153 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	395.23	67.36
				For 1/2 Bituminous Coated And 25% Paved, Add	73.61	
				33 41 13 00-1154 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	420.50	74.84
				For 1/2 Bituminous Coated And 25% Paved, Add	77.46	
				33 41 13 00-1155 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	445.45	82.32
				For 1/2 Bituminous Coated And 25% Paved, Add	81.30	
				33 41 13 00-1156 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	469.37	89.81
				For 1/2 Bituminous Coated And 25% Paved, Add	85.12	
				33 41 13 00-1157 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	499.09	97.29
				For 1/2 Bituminous Coated And 25% Paved, Add	90.17	
				33 41 13 00-1158 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	527.49	104.77
				For 1/2 Bituminous Coated And 25% Paved, Add	94.33	
				33 41 13 00-1159 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	558.72	112.26
				For 1/2 Bituminous Coated And 25% Paved, Add	98.64	
				33 41 13 00-1160 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1018)</small>		
				33 41 13 00-1161 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1160)</small>		
				33 41 13 00-1162 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	36.04	8.63
				33 41 13 00-1163 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	40.98	9.34
				33 41 13 00-1164 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	45.66	10.07
				33 41 13 00-1165 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	59.80	12.94
				33 41 13 00-1166 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	76.33	16.46
				33 41 13 00-1167 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	86.87	19.46
				33 41 13 00-1168 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	97.98	22.45
				33 41 13 00-1169 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	115.90	25.44
				33 41 13 00-1170 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	126.60	26.94
				33 41 13 00-1171 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1160)</small>		
				33 41 13 00-1172 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	39.25	8.63
				33 41 13 00-1173 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	44.73	9.34
				33 41 13 00-1174 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	49.91	10.07
				33 41 13 00-1175 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	65.12	12.94
				33 41 13 00-1176 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	82.73	16.46
				33 41 13 00-1177 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	94.35	19.46
				33 41 13 00-1178 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	106.53	22.45
				33 41 13 00-1179 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	125.51	25.44
				33 41 13 00-1180 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	137.31	26.94
				33 41 13 00-1181 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	166.79	32.93
				33 41 13 00-1182 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	204.83	47.89
				33 41 13 00-1183 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	221.73	52.38
				33 41 13 00-1184 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1160)</small>		
				33 41 13 00-1185 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	75.90	12.94
				33 41 13 00-1186 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	95.63	16.46
				33 41 13 00-1187 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	109.47	19.46
				33 41 13 00-1188 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	123.77	22.45
				33 41 13 00-1189 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	144.90	25.44

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1190 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	158.89	26.94
33 41 13 00-1191 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	190.47	32.93
33 41 13 00-1192 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	230.64	47.89
33 41 13 00-1193 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	249.69	52.38
33 41 13 00-1194 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	266.65	56.13
33 41 13 00-1195 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	283.61	59.87
33 41 13 00-1196 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	301.08	63.61
33 41 13 00-1197 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	319.57	67.36
33 41 13 00-1198 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-0509)</small>		
33 41 13 00-1199 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1198)</small>		
33 41 13 00-1200 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1199)</small>		
33 41 13 00-1201 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	29.76	7.91
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	6.66	
33 41 13 00-1202 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	32.98	8.63
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.96	
33 41 13 00-1203 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	37.58	9.34
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.57	
33 41 13 00-1204 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	42.09	10.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.03	
33 41 13 00-1205 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	54.97	12.94
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.01	
33 41 13 00-1206 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.57	16.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.07	
33 41 13 00-1207 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1199)</small>		
33 41 13 00-1208 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	32.49	7.91
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	6.90	
33 41 13 00-1209 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	36.29	8.63
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.27	
33 41 13 00-1210 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	41.31	9.34
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.83	
33 41 13 00-1211 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	46.41	10.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.34	
33 41 13 00-1212 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	60.35	12.94
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.37	
33 41 13 00-1213 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	77.97	16.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.30	
33 41 13 00-1214 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	89.39	19.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	21.80	
33 41 13 00-1215 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1199)</small>		
33 41 13 00-1216 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	43.05	8.63
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.57	
33 41 13 00-1217 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	49.32	9.34
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.00	
33 41 13 00-1218 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	55.48	10.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.33	
33 41 13 00-1219 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.67	12.94
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.04	
33 41 13 00-1220 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	91.65	16.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.39	
33 41 13 00-1221 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	105.34	19.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.43	
33 41 13 00-1222 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	123.04	22.45
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.14	
33 41 13 00-1223 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	137.56	25.44
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	25.50	
33 41 13 00-1224 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1199)</small>		
33 41 13 00-1225 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	103.93	16.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	17.25	
33 41 13 00-1226 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	119.66	19.46
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.39	
33 41 13 00-1227 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	139.28	22.45
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	24.08	
33 41 13 00-1228 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	155.93	25.44
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.66	
33 41 13 00-1229 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	170.65	26.94
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.23	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1230 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1198)</small>		
33 41 13 00-1231 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1230)</small>		
33 41 13 00-1232 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	132.96	25.44
For 1/2 Bituminous Coated And 40% Paved, Add	38.31	
33 41 13 00-1233 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	145.26	26.94
For 1/2 Bituminous Coated And 40% Paved, Add	41.92	
33 41 13 00-1234 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	179.44	32.93
For 1/2 Bituminous Coated And 40% Paved, Add	52.65	
33 41 13 00-1235 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	218.49	47.89
For 1/2 Bituminous Coated And 40% Paved, Add	56.44	
33 41 13 00-1236 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	236.72	52.38
For 1/2 Bituminous Coated And 40% Paved, Add	60.43	
33 41 13 00-1237 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	252.95	56.13
For 1/2 Bituminous Coated And 40% Paved, Add	64.44	
33 41 13 00-1238 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	269.12	59.87
For 1/2 Bituminous Coated And 40% Paved, Add	68.42	
33 41 13 00-1239 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	285.88	63.61
For 1/2 Bituminous Coated And 40% Paved, Add	72.41	
33 41 13 00-1240 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1230)</small>		
33 41 13 00-1241 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	172.53	26.94
For 1/2 Bituminous Coated And 40% Paved, Add	47.64	
33 41 13 00-1242 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	209.67	32.93
For 1/2 Bituminous Coated And 40% Paved, Add	58.22	
33 41 13 00-1243 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	251.41	47.89
For 1/2 Bituminous Coated And 40% Paved, Add	62.62	
33 41 13 00-1244 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	272.27	52.38
For 1/2 Bituminous Coated And 40% Paved, Add	67.17	
33 41 13 00-1245 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	291.19	56.13
For 1/2 Bituminous Coated And 40% Paved, Add	71.75	
33 41 13 00-1246 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	310.05	59.87
For 1/2 Bituminous Coated And 40% Paved, Add	76.31	
33 41 13 00-1247 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	329.43	63.61
For 1/2 Bituminous Coated And 40% Paved, Add	80.86	
33 41 13 00-1248 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	350.95	67.36
For 1/2 Bituminous Coated And 40% Paved, Add	85.45	
33 41 13 00-1249 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	374.15	74.84
For 1/2 Bituminous Coated And 40% Paved, Add	90.02	
33 41 13 00-1250 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	398.20	82.32
For 1/2 Bituminous Coated And 40% Paved, Add	95.04	
33 41 13 00-1251 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1230)</small>		
33 41 13 00-1252 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	281.97	47.89
For 1/2 Bituminous Coated And 40% Paved, Add	67.78	
33 41 13 00-1253 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	305.38	52.38
For 1/2 Bituminous Coated And 40% Paved, Add	72.82	
33 41 13 00-1254 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	326.80	56.13
For 1/2 Bituminous Coated And 40% Paved, Add	77.88	
33 41 13 00-1255 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	348.12	59.87
For 1/2 Bituminous Coated And 40% Paved, Add	82.90	
33 41 13 00-1256 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	371.71	63.61
For 1/2 Bituminous Coated And 40% Paved, Add	88.55	
33 41 13 00-1257 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	394.04	67.36
For 1/2 Bituminous Coated And 40% Paved, Add	93.00	
33 41 13 00-1258 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	419.77	74.84
For 1/2 Bituminous Coated And 40% Paved, Add	98.05	
33 41 13 00-1259 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	446.09	82.32
For 1/2 Bituminous Coated And 40% Paved, Add	103.42	
33 41 13 00-1260 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	474.46	89.81
For 1/2 Bituminous Coated And 40% Paved, Add	109.88	
33 41 13 00-1261 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1198)</small>		
33 41 13 00-1262 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1261)</small>		
33 41 13 00-1263 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	254.49	47.89
For 1/2 Bituminous Coated And 40% Paved, Add	61.63	
33 41 13 00-1264 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	275.09	52.38
For 1/2 Bituminous Coated And 40% Paved, Add	65.91	
33 41 13 00-1265 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	293.54	56.13
For 1/2 Bituminous Coated And 40% Paved, Add	70.16	
33 41 13 00-1266 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	311.97	59.87
For 1/2 Bituminous Coated And 40% Paved, Add	74.39	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1267	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	331.02 78.65	63.61
33 41	13 00-1268	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	352.30 82.99	67.36
33 41	13 00-1269	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	375.28 87.31	74.84
33 41	13 00-1270	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	400.77 92.72	82.32
33 41	13 00-1271		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1261)</small>		
33 41	13 00-1272	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	288.35 68.36	47.89
33 41	13 00-1273	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	311.65 73.24	52.38
33 41	13 00-1274	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	332.84 78.09	56.13
33 41	13 00-1275	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.10 82.96	59.87
33 41	13 00-1276	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	375.47 87.68	63.61
33 41	13 00-1277	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	399.86 92.75	67.36
33 41	13 00-1278	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	425.65 97.70	74.84
33 41	13 00-1279	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	453.91 103.62	82.32
33 41	13 00-1280	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	480.29 109.22	89.81
33 41	13 00-1281		Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-0509)</small>		
33 41	13 00-1282		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1281)</small>		
33 41	13 00-1283		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1282)</small>		
33 41	13 00-1284	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.23 1.27	4.31
33 41	13 00-1285	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.42 1.72	5.39
33 41	13 00-1286	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.07 2.27	6.47
33 41	13 00-1287		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1282)</small>		
33 41	13 00-1288	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.68 1.26	4.31
33 41	13 00-1289	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.47 1.72	5.39
33 41	13 00-1290	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.81 2.27	6.47
33 41	13 00-1291		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1281)</small>		
33 41	13 00-1292		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1291)</small>		
33 41	13 00-1293	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.16 2.49	7.55
33 41	13 00-1294	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	33.16 3.13	7.91
33 41	13 00-1295	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.39 3.80	8.63
33 41	13 00-1296	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.69 4.54	9.34
33 41	13 00-1297	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	47.53 5.14	10.07
33 41	13 00-1298		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1291)</small>		
33 41	13 00-1299	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.28 2.44	7.55
33 41	13 00-1300	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.13 3.07	7.91
33 41	13 00-1301	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.14 3.72	8.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1302 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	48.21 4.42	9.34
33 41 13 00-1303 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	53.86 5.02	10.07
33 41 13 00-1304 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	70.31 6.43	12.94
33 41 13 00-1305 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	89.33 8.00	16.46
33 41 13 00-1306 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1291)</small>		
33 41 13 00-1307 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	65.96 4.76	10.07
33 41 13 00-1308 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	85.38 6.06	12.94
33 41 13 00-1309 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	107.42 7.47	16.46
33 41 13 00-1310 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	123.37 8.78	19.46
33 41 13 00-1311 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	139.50 9.94	22.45
33 41 13 00-1312 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	163.82 11.79	25.44
33 41 13 00-1313 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1291)</small>		
33 41 13 00-1314 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	126.71 7.34	16.46
33 41 13 00-1315 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	145.84 8.62	19.46
33 41 13 00-1316 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	165.26 9.78	22.45
33 41 13 00-1317 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	192.79 11.48	25.44
33 41 13 00-1318 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	211.84 12.65	26.94
33 41 13 00-1319 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1281)</small>		
33 41 13 00-1320 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1319)</small>		
33 41 13 00-1321 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	69.32 7.34	12.94
33 41 13 00-1322 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	88.10 8.62	16.46
33 41 13 00-1323 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	100.42 9.78	19.46
33 41 13 00-1324 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.68 11.48	22.45
33 41 13 00-1325 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	133.91 12.65	25.44
33 41 13 00-1326 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1319)</small>		
33 41 13 00-1327 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	77.26 7.34	12.94
33 41 13 00-1328 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	99.42 8.62	16.46
33 41 13 00-1329 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.57 9.78	19.46
33 41 13 00-1330 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	128.03 10.94	22.45
33 41 13 00-1331 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	150.71 12.10	25.44
33 41 13 00-1332 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	164.74 13.26	26.94
33 41 13 00-1333 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	200.18 14.42	32.93
33 41 13 00-1334 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	240.66 15.58	47.89
33 41 13 00-1335 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	259.92 16.74	52.38
33 41 13 00-1336 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1319)</small>		
33 41 13 00-1337 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	95.79 7.34	12.94
33 41 13 00-1338 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	120.26 8.62	16.46
33 41 13 00-1339 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	138.47 9.78	19.46
33 41 13 00-1340 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	156.59 10.94	22.45
33 41 13 00-1341 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	182.77 12.10	25.44
33 41 13 00-1342 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	200.24 13.26	26.94
33 41 13 00-1343 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	239.12 14.42	32.93
33 41 13 00-1344 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	283.13 15.58	47.89
33 41 13 00-1345 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	305.86 16.74	52.38
33 41 13 00-1346 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	326.61 17.90	56.13
33 41 13 00-1347 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	347.30 19.06	59.87
33 41 13 00-1348 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	368.55 20.22	63.61

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1349			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1319)</small>		
33 41 13 00-1350	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	237.58	26.94
33 41 13 00-1351	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	278.62	32.93
33 41 13 00-1352	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	326.17	47.89
33 41 13 00-1353	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	352.45	52.38
33 41 13 00-1354	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	376.69	56.13
33 41 13 00-1355	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	400.92	59.87
33 41 13 00-1356	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	425.69	63.61
33 41 13 00-1357	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	452.57	67.36
33 41 13 00-1358	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	481.15	74.84
33 41 13 00-1359			Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1281)</small>		
			Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 41 13 00-1360			16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1359)</small>		
33 41 13 00-1361	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.07	8.63
33 41 13 00-1362	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.72	9.34
33 41 13 00-1363	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.73	10.07
33 41 13 00-1364	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.27	11.51
33 41 13 00-1365	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.19	12.94
33 41 13 00-1366	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.93	14.38
33 41 13 00-1367			14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1359)</small>		
33 41 13 00-1368	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.79	8.63
33 41 13 00-1369	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.97	9.34
33 41 13 00-1370	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.76	10.07
33 41 13 00-1371	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.40	11.51
33 41 13 00-1372	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.43	12.94
33 41 13 00-1373	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.31	14.38
33 41 13 00-1374	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.83	16.46
33 41 13 00-1375	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.00	19.46
33 41 13 00-1376	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.33	22.45
33 41 13 00-1377			12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1359)</small>		
33 41 13 00-1378	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.41	12.94
33 41 13 00-1379	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	125.43	14.38
33 41 13 00-1380	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.19	16.46
33 41 13 00-1381	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	162.78	19.46
33 41 13 00-1382	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	184.50	22.45
33 41 13 00-1383	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	252.63	25.44
33 41 13 00-1384	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.90	26.94
33 41 13 00-1385			10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1359)</small>		
33 41 13 00-1386	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.16	22.45
33 41 13 00-1387	LF		54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.81	25.44
33 41 13 00-1388	LF		60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.04	26.94
33 41 13 00-1389	LF		66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.49	32.93
33 41 13 00-1390	LF		72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.51	47.89
33 41 13 00-1391	LF		78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.65	52.38
33 41 13 00-1392	LF		84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.49	56.13
33 41 13 00-1393			Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-0509)</small>		
33 41 13 00-1394			2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1393)</small>		
33 41 13 00-1395			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1394)</small>		
33 41 13 00-1396	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	34.57	7.91
			For Bituminous Coated Pipe, Add	3.13	
33 41 13 00-1397	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	38.73	8.63
			For Bituminous Coated Pipe, Add	3.74	
33 41 13 00-1398	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	44.22	9.34
			For Bituminous Coated Pipe, Add	4.45	
33 41 13 00-1399			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1394)</small>		
33 41 13 00-1400	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	38.55	7.91
			For Bituminous Coated Pipe, Add	3.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 41	13 00-	1401	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	42.55 3.60	8.63
	33 41	13 00-	1402	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	49.74 4.42	9.34
	33 41	13 00-	1403	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	55.93 5.07	10.07
	33 41	13 00-	1404	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	72.37 6.41	12.94
33 41	13 00-	1405		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1394)</small>		
				LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	68.05 4.83	10.07
				LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	87.48 6.09	12.94
				LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	110.98 7.61	16.46
				LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	128.06 9.00	19.46
33 41	13 00-	1410		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1394)</small>		
				LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	130.24 7.34	16.46
				LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	150.56 8.66	19.46
				LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	174.73 10.14	22.45
				LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	195.90 11.29	25.44
33 41	13 00-	1415		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1393)</small>		
33 41	13 00-	1416		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1415)</small>		
				LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	153.83	25.44
				LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	168.36	26.94
				LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	204.66	32.93
33 41	13 00-	1420		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1415)</small>		
				LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	185.88	25.44
				LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	203.86	26.94
				LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	243.43	32.93
				LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	287.77	47.89
				LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	310.83	52.38
				LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	331.91	56.13
33 41	13 00-	1427		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1415)</small>		
				LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	241.15	26.94
				LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	282.77	32.93
				LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	330.65	47.89
				LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	357.25	52.38
				LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	381.83	56.13
				LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	406.37	59.87
33 41	13 00-	1434		Corrugated Steel Pipe Fittings <small>(33 41 13 00-0509)</small> Note: Equivalent pipe-arch sizes are approximate.		
33 41	13 00-	1435		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 41 13 00-1434)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
				EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	64.19	
				EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	80.49	
				EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	96.80	
				EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	114.13	
				EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	138.58	
				EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	163.02	
				EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	187.48	
				EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	211.93	
				EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	276.13	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1445 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	329.10	
33 41 13 00-1446 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	382.10	
33 41 13 00-1447 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	494.18	
33 41 13 00-1448 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	557.36	
33 41 13 00-1449 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	622.57	
33 41 13 00-1450 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	689.82	
33 41 13 00-1451 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	840.62	
33 41 13 00-1452 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	917.03	
33 41 13 00-1453 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	995.49	
33 41 13 00-1454 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,221.69	
33 41 13 00-1455 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,311.36	
33 41 13 00-1456 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,402.05	
33 41 13 00-1457 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,492.72	
33 41 13 00-1458 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,582.38	
33 41 13 00-1459 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,673.08	
33 41 13 00-1460 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,768.69	
33 41 13 00-1461 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,869.77	
33 41 13 00-1462 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,976.60	
33 41 13 00-1463 Fabricate Corrugated Steel Pipe Tees Or Laterals <small>(33 41 13 00-1434)</small>		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 41 13 00-1464 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	83.56	
33 41 13 00-1465 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	106.99	
33 41 13 00-1466 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	130.41	
33 41 13 00-1467 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	153.86	
33 41 13 00-1468 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	187.48	
33 41 13 00-1469 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	222.11	
33 41 13 00-1470 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	256.78	
33 41 13 00-1471 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	291.39	
33 41 13 00-1472 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	382.10	
33 41 13 00-1473 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	455.46	
33 41 13 00-1474 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	529.83	
33 41 13 00-1475 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	687.77	
33 41 13 00-1476 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	774.38	
33 41 13 00-1477 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	864.04	
33 41 13 00-1478 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	955.74	
33 41 13 00-1479 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,165.64	
33 41 13 00-1480 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,269.59	
33 41 13 00-1481 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,375.55	
33 41 13 00-1482 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,692.42	
33 41 13 00-1483 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,813.68	
33 41 13 00-1484 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,934.93	
33 41 13 00-1485 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,057.19	
33 41 13 00-1486 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,179.47	
33 41 13 00-1487 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,300.71	
33 41 13 00-1488 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,428.71	
33 41 13 00-1489 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,563.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1490 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,706.42	
33 41 13 00-1491 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 41 13 00-1434)		
Note: Applied to pipe tasks.		
33 41 13 00-1492 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	32.06	
33 41 13 00-1493 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	40.33	
33 41 13 00-1494 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	50.72	
33 41 13 00-1495 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	62.11	
33 41 13 00-1496 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	78.59	
33 41 13 00-1497 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	96.25	
33 41 13 00-1498 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	112.73	
33 41 13 00-1499 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	130.98	
33 41 13 00-1500 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	160.87	
33 41 13 00-1501 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	191.80	
33 41 13 00-1502 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	228.85	
33 41 13 00-1503 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	281.52	
33 41 13 00-1504 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	318.64	
33 41 13 00-1505 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	358.84	
33 41 13 00-1506 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	435.17	
33 41 13 00-1507 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	482.59	
33 41 13 00-1508 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	588.81	
33 41 13 00-1509 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	641.42	
33 41 13 00-1510 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	697.12	
33 41 13 00-1511 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	751.74	
33 41 13 00-1512 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	807.43	
33 41 13 00-1513 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	864.13	
33 41 13 00-1514 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	919.84	
33 41 13 00-1515 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	975.51	
33 41 13 00-1516 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,034.55	
33 41 13 00-1517 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,097.16	
33 41 13 00-1518 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,163.56	
33 41 13 00-1519 Coupling Bands, Corrugated Metal Pipe Fitting (33 41 13 00-1434)		
33 41 13 00-1520 EA 6" Coupling Band, Corrugated Metal Pipe Fitting	7.26	
For Bituminous Coated, Add	2.11	
33 41 13 00-1521 EA 8" Coupling Band, Corrugated Metal Pipe Fitting	9.63	
For Bituminous Coated, Add	2.79	
33 41 13 00-1522 EA 10" Coupling Band, Corrugated Metal Pipe Fitting	12.13	
For Bituminous Coated, Add	3.52	
33 41 13 00-1523 EA 12" Coupling Band, Corrugated Metal Pipe Fitting	20.14	
For Bituminous Coated, Add	5.84	
33 41 13 00-1524 EA 15" Coupling Band, Corrugated Metal Pipe Fitting	25.39	
For Bituminous Coated, Add	7.36	
33 41 13 00-1525 EA 18" Coupling Band, Corrugated Metal Pipe Fitting	37.26	
For Bituminous Coated, Add	10.81	
33 41 13 00-1526 EA 21" Coupling Band, Corrugated Metal Pipe Fitting	44.22	
For Bituminous Coated, Add	12.82	
33 41 13 00-1527 EA 24" Coupling Band, Corrugated Metal Pipe Fitting	50.14	
For Bituminous Coated, Add	14.54	
33 41 13 00-1528 EA 30" Coupling Band, Corrugated Metal Pipe Fitting	86.77	
For Bituminous Coated, Add	25.16	
33 41 13 00-1529 EA 36" Coupling Band, Corrugated Metal Pipe Fitting	138.83	
For Bituminous Coated, Add	33.32	
33 41 13 00-1530 EA 42" Coupling Band, Corrugated Metal Pipe Fitting	163.12	
For Bituminous Coated, Add	39.15	
33 41 13 00-1531 EA 48" Coupling Band, Corrugated Metal Pipe Fitting	182.78	
For Bituminous Coated, Add	43.87	
33 41 13 00-1532 EA 54" Coupling Band, Corrugated Metal Pipe Fitting	259.22	
For Bituminous Coated, Add	62.21	
33 41 13 00-1533 EA 60" Coupling Band, Corrugated Metal Pipe Fitting	370.76	
For Bituminous Coated, Add	66.74	
33 41 13 00-1534 EA 66" Coupling Band, Corrugated Metal Pipe Fitting	455.65	
For Bituminous Coated, Add	82.02	
33 41 13 00-1535 EA 72" Coupling Band, Corrugated Metal Pipe Fitting	585.31	
For Bituminous Coated, Add	81.94	
33 41 13 00-1536 EA 78" Coupling Band, Corrugated Metal Pipe Fitting	626.03	
For Bituminous Coated, Add	87.64	
33 41 13 00-1537 EA 84" Coupling Band, Corrugated Metal Pipe Fitting	666.98	
For Bituminous Coated, Add	93.38	
33 41 13 00-1538 EA 90" Coupling Band, Corrugated Metal Pipe Fitting	707.72	
For Bituminous Coated, Add	99.08	
33 41 13 00-1539 EA 96" Coupling Band, Corrugated Metal Pipe Fitting	748.56	
For Bituminous Coated, Add	104.80	
33 41 13 00-1540 EA 102" Coupling Band, Corrugated Metal Pipe Fitting	789.51	
For Bituminous Coated, Add	110.53	
33 41 13 00-1541 EA 108" Coupling Band, Corrugated Metal Pipe Fitting	830.27	
For Bituminous Coated, Add	116.24	
33 41 13 00-1542 EA 114" Coupling Band, Corrugated Metal Pipe Fitting	983.36	
For Bituminous Coated, Add	118.00	
33 41 13 00-1543 EA 120" Coupling Band, Corrugated Metal Pipe Fitting	911.73	
For Bituminous Coated, Add	109.41	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1544 EA 126" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	952.36 114.28	
33 41 13 00-1545 EA 132" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	993.29 119.19	
33 41 13 00-1546 EA 138" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,034.26 124.11	
33 41 13 00-1547 Corrugated Metal Pipe End Sections (33 41 13 00-0909)		
33 41 13 00-1548 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1547)		
33 41 13 00-1549 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1548) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1550 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	191.86	50.33
33 41 13 00-1551 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	221.91	53.93
33 41 13 00-1552 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	258.17	57.53
33 41 13 00-1553 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	311.53	62.92
33 41 13 00-1554 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	344.87	68.31
33 41 13 00-1555 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1548) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1556 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	550.56	77.30
33 41 13 00-1557 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	709.44	89.81
33 41 13 00-1558 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,084.06	104.77
33 41 13 00-1559 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,323.28	119.74
33 41 13 00-1560 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,577.24	149.67
33 41 13 00-1561 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,842.57	179.61
33 41 13 00-1562 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1548) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1563 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	200.01	50.33
33 41 13 00-1564 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	230.29	53.93
33 41 13 00-1565 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	271.05	57.53
33 41 13 00-1566 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	326.99	62.92
33 41 13 00-1567 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	362.41	68.31
33 41 13 00-1568 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	604.40	77.30
33 41 13 00-1569 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	775.54	89.81
33 41 13 00-1570 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,230.05	104.77
33 41 13 00-1571 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,511.68	119.74
33 41 13 00-1572 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,767.77	149.67
33 41 13 00-1573 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,446.01	179.61
33 41 13 00-1574 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,784.64	269.41
33 41 13 00-1575 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,264.39	359.21
33 41 13 00-1576 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,555.02	385.41
33 41 13 00-1577 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,852.63	411.61
33 41 13 00-1578 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 41 13 00-1548)		
33 41 13 00-1579 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	21.72	
33 41 13 00-1580 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	24.02	
33 41 13 00-1581 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	26.82	
33 41 13 00-1582 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	29.14	
33 41 13 00-1583 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	32.53	
33 41 13 00-1584 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	55.60	
33 41 13 00-1585 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	59.86	
33 41 13 00-1586 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	80.76	
33 41 13 00-1587 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	86.72	
33 41 13 00-1588 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	105.50	
33 41 13 00-1589 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	108.49	
33 41 13 00-1590 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	116.73	
33 41 13 00-1591 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	135.58	
33 41 13 00-1592 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	151.42	
33 41 13 00-1593 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	155.76	
33 41 13 00-1594 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1547)		
33 41 13 00-1595 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1594) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1596 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	221.91	53.93
33 41 13 00-1597 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	258.17	57.53
33 41 13 00-1598 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	311.53	62.92
33 41 13 00-1599 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	344.87	68.31
33 41 13 00-1600 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1594) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1601 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	214.88	53.93
33 41 13 00-1602 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	245.16	57.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1603 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	274.29	62.92
33 41 13 00-1604 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	309.31	68.31
33 41 13 00-1605 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	449.18	77.30
33 41 13 00-1606 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	647.76	89.81
33 41 13 00-1607 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,003.92	104.77
33 41 13 00-1608 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,269.87	119.74
33 41 13 00-1609 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1594)</small>		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1610 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	218.45	53.93
33 41 13 00-1611 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	252.92	57.53
33 41 13 00-1612 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	286.42	62.92
33 41 13 00-1613 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	323.69	68.31
33 41 13 00-1614 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	473.62	77.30
33 41 13 00-1615 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	681.10	89.81
33 41 13 00-1616 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,057.24	104.77
33 41 13 00-1617 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,331.24	119.74
33 41 13 00-1618 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,602.46	149.67
33 41 13 00-1619 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,104.38	179.61
33 41 13 00-1620 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,939.50	269.41
33 41 13 00-1621 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,262.32	359.21
33 41 13 00-1622 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1594)</small>		
33 41 13 00-1623 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	24.02	
33 41 13 00-1624 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	26.82	
33 41 13 00-1625 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	29.14	
33 41 13 00-1626 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	32.53	
33 41 13 00-1627 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	55.60	
33 41 13 00-1628 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	59.86	
33 41 13 00-1629 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	80.76	
33 41 13 00-1630 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	89.98	
33 41 13 00-1631 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	105.50	
33 41 13 00-1632 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	109.78	
33 41 13 00-1633 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	127.28	
33 41 13 00-1634 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	147.19	
33 41 13 00-1635 Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1547)</small>		
33 41 13 00-1636 Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1635)</small>		
33 41 13 00-1637 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	286.55	50.33
33 41 13 00-1638 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	329.73	53.93
33 41 13 00-1639 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	390.12	57.53
33 41 13 00-1640 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	482.58	62.92
33 41 13 00-1641 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	628.56	68.31
33 41 13 00-1642 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	939.44	77.30
33 41 13 00-1643 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,271.42	89.81
33 41 13 00-1644 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,581.22	89.81
33 41 13 00-1645 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,016.11	104.77
33 41 13 00-1646 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,875.60	119.74
33 41 13 00-1647 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,186.39	149.67
33 41 13 00-1648 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,293.25	179.61
33 41 13 00-1649 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,867.20	269.41
33 41 13 00-1650 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,695.73	359.21
33 41 13 00-1651 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,220.24	385.41
33 41 13 00-1652 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,563.82	411.61
33 41 13 00-1653 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,972.32	449.02
33 41 13 00-1654 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,932.01	486.44
33 41 13 00-1655 Toe Plate Extensions For Corrugated Aluminum Pipe End Section <small>(33 41 13 00-1635)</small>		
33 41 13 00-1656 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	39.20	
33 41 13 00-1657 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.48	
33 41 13 00-1658 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.82	
33 41 13 00-1659 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	50.28	
33 41 13 00-1660 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	53.43	
33 41 13 00-1661 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	69.44	
33 41 13 00-1662 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	83.08	
33 41 13 00-1663 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	87.25	
33 41 13 00-1664 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	95.66	
33 41 13 00-1665 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	108.11	
33 41 13 00-1666 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	127.51	
33 41 13 00-1667 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	175.05	
33 41 13 00-1668 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	190.04	
33 41 13 00-1669 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	243.86	
33 41 13 00-1670 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	264.28	
33 41 13 00-1671 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	281.74	
33 41 13 00-1672 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	300.00	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 13 00-1673	EA	96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	318.59	
33 41 13 00-1674		Corrugated Aluminum Pipe-Arch End Sections (33 41 13 00-1547)		
33 41 13 00-1675		Corrugated Aluminum Pipe-Arch End Sections (33 41 13 00-1674)		
33 41 13 00-1676	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	339.74	53.93
33 41 13 00-1677	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	414.52	57.53
33 41 13 00-1678	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	450.21	62.92
33 41 13 00-1679	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	485.86	68.31
33 41 13 00-1680	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	725.39	77.30
33 41 13 00-1681	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,285.66	89.81
33 41 13 00-1682	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,364.21	89.81
33 41 13 00-1683	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,822.38	104.77
33 41 13 00-1684	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,800.16	119.74
33 41 13 00-1685	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,206.87	149.67
33 41 13 00-1686	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,877.29	179.61
33 41 13 00-1687	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,493.15	269.41
33 41 13 00-1688	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,820.23	359.21
33 41 13 00-1689	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,425.65	385.41
33 41 13 00-1690	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,751.13	411.61
33 41 13 00-1691	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,448.82	449.02
33 41 13 00-1692	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,951.23	486.44
33 41 13 00-1693		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 41 13 00-1674)		
33 41 13 00-1694	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	41.48	
33 41 13 00-1695	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	44.82	
33 41 13 00-1696	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.36	
33 41 13 00-1697	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.83	
33 41 13 00-1698	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	60.26	
33 41 13 00-1699	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	77.81	
33 41 13 00-1700	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	84.46	
33 41 13 00-1701	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	95.66	
33 41 13 00-1702	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	108.11	
33 41 13 00-1703	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	127.51	
33 41 13 00-1704	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	160.26	
33 41 13 00-1705	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	202.43	
33 41 13 00-1706	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	274.82	
33 41 13 00-1707	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	311.40	
33 41 13 00-1708	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	326.69	
33 41 13 00-1709	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	339.45	
33 41 13 00-1710	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	354.83	
33 41 13 00-1711		Low Slope Corrugated Steel Pipe End Sections And Accessories (33 41 13 00-1547)		
33 41 13 00-1712		4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1711)		
33 41 13 00-1713	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	372.32	53.93
33 41 13 00-1714	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	474.01	57.53
33 41 13 00-1715	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	576.95	62.92
33 41 13 00-1716	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	687.02	68.31
33 41 13 00-1717		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1711)		
		Note: Includes nut and bolt set.		
33 41 13 00-1718	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	260.11	
33 41 13 00-1719	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	510.03	
33 41 13 00-1720	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	559.64	
33 41 13 00-1721	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	582.48	
33 41 13 00-1722		6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1711)		
33 41 13 00-1723	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	456.25	53.93
33 41 13 00-1724	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	596.91	57.53
33 41 13 00-1725	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	793.09	62.92
33 41 13 00-1726	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	931.27	68.31
33 41 13 00-1727		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1711)		
		Note: Includes nut and bolt set.		
33 41 13 00-1728	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	601.47	
33 41 13 00-1729	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	638.60	
33 41 13 00-1730	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	702.45	
33 41 13 00-1731	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,315.36	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1732 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 41 13 00-1711)</small>		
33 41 13 00-1733 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	45.82	
33 41 13 00-1734 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	51.12	
33 41 13 00-1735 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	55.60	
33 41 13 00-1736 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	61.96	
33 41 13 00-1737 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 41 13 00-1547)</small>		
33 41 13 00-1738 4:1 Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1737)</small>		
33 41 13 00-1739 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	517.47	57.53
33 41 13 00-1740 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	648.50	62.92
33 41 13 00-1741 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	767.08	68.31
33 41 13 00-1742 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,441.27	77.30
33 41 13 00-1743 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1737)</small>		
Note: Includes nut and bolt set.		
33 41 13 00-1744 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	368.70	
33 41 13 00-1745 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	670.12	
33 41 13 00-1746 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	706.11	
33 41 13 00-1747 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,038.40	
33 41 13 00-1748 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1737)</small>		
33 41 13 00-1749 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	53.52	
33 41 13 00-1750 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	60.69	
33 41 13 00-1751 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	66.16	
33 41 13 00-1752 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	78.94	
33 42 Culverts <small>(33 42)</small>		
33 42 16 Concrete Culverts <small>(33 42)</small>		
33 42 16 13 Precast Concrete Culverts <small>(33 42 16)</small>		
33 42 16 13-0001 Precast Reinforced Concrete Box Culvert <small>(33 42 16 13)</small>		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 16 13-0002 LF 4' x 2' Precast Reinforced Concrete Box Culvert.....	200.17	37.42
For Each LF Of Cut-Off Section, Add	8.01	
33 42 16 13-0003 LF 4' x 3' Precast Reinforced Concrete Box Culvert.....	217.31	37.42
For Each LF Of Cut-Off Section, Add	8.69	
33 42 16 13-0004 LF 5' x 3' Precast Reinforced Concrete Box Culvert.....	285.18	46.77
For Each LF Of Cut-Off Section, Add	11.41	
33 42 16 13-0005 LF 5' x 4' Precast Reinforced Concrete Box Culvert.....	305.85	46.77
For Each LF Of Cut-Off Section, Add	12.23	
33 42 16 13-0006 LF 5' x 5' Precast Reinforced Concrete Box Culvert.....	326.51	46.77
For Each LF Of Cut-Off Section, Add	13.06	
33 42 16 13-0007 LF 6' x 3' Precast Reinforced Concrete Box Culvert.....	345.27	48.64
For Each LF Of Cut-Off Section, Add	13.81	
33 42 16 13-0008 LF 6' x 4' Precast Reinforced Concrete Box Culvert.....	369.43	48.64
For Each LF Of Cut-Off Section, Add	14.78	
33 42 16 13-0009 LF 6' x 6' Precast Reinforced Concrete Box Culvert.....	417.57	48.64
For Each LF Of Cut-Off Section, Add	16.70	
33 42 16 13-0010 LF 7' x 4' Precast Reinforced Concrete Box Culvert.....	450.53	56.13
For Each LF Of Cut-Off Section, Add	18.02	
33 42 16 13-0011 LF 7' x 6' Precast Reinforced Concrete Box Culvert.....	545.62	76.34
For Each LF Of Cut-Off Section, Add	21.82	
33 42 16 13-0012 LF 8' x 2' Precast Reinforced Concrete Box Culvert.....	408.28	48.64
For Each LF Of Cut-Off Section, Add	16.33	
33 42 16 13-0013 LF 8' x 3' Precast Reinforced Concrete Box Culvert.....	446.15	56.13
For Each LF Of Cut-Off Section, Add	17.85	
33 42 16 13-0014 LF 8' x 4' Precast Reinforced Concrete Box Culvert.....	478.02	56.13
For Each LF Of Cut-Off Section, Add	19.12	
33 42 16 13-0015 LF 8' x 5' Precast Reinforced Concrete Box Culvert.....	542.68	74.84
For Each LF Of Cut-Off Section, Add	21.71	
33 42 16 13-0016 LF 8' x 6' Precast Reinforced Concrete Box Culvert.....	570.15	74.84
For Each LF Of Cut-Off Section, Add	22.81	
33 42 16 13-0017 LF 8' x 8' Precast Reinforced Concrete Box Culvert.....	662.30	93.54
For Each LF Of Cut-Off Section, Add	26.49	
33 42 16 13-0018 LF 9' x 4' Precast Reinforced Concrete Box Culvert.....	592.05	74.84
For Each LF Of Cut-Off Section, Add	23.68	
33 42 16 13-0019 LF 9' x 6' Precast Reinforced Concrete Box Culvert.....	691.01	93.54
For Each LF Of Cut-Off Section, Add	27.64	
33 42 16 13-0020 LF 10' x 3' Precast Reinforced Concrete Box Culvert.....	678.41	93.54
For Each LF Of Cut-Off Section, Add	27.14	

33	Utilities
33 40	Storm Drainage Utilities
33 42	Culverts



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0021 LF 10' x 4' Precast Reinforced Concrete Box Culvert	711.54	93.54
For Each LF Of Cut-Off Section, Add	28.46	
33 42 16 13-0022 LF 10' x 5' Precast Reinforced Concrete Box Culvert	784.16	112.26
For Each LF Of Cut-Off Section, Add	31.37	
33 42 16 13-0023 LF 10' x 6' Precast Reinforced Concrete Box Culvert	818.66	112.26
For Each LF Of Cut-Off Section, Add	32.75	
33 42 16 13-0024 LF 10' x 7' Precast Reinforced Concrete Box Culvert	853.16	112.26
For Each LF Of Cut-Off Section, Add	34.13	
33 42 16 13-0025 LF 10' x 8' Precast Reinforced Concrete Box Culvert	887.44	112.26
For Each LF Of Cut-Off Section, Add	35.50	
33 42 16 13-0026 LF 12' x 3' Precast Reinforced Concrete Box Culvert	765.97	130.97
For Each LF Of Cut-Off Section, Add	30.64	
33 42 16 13-0027 LF 12' x 4' Precast Reinforced Concrete Box Culvert	975.03	130.97
For Each LF Of Cut-Off Section, Add	39.00	
33 42 16 13-0028 LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,057.67	130.97
For Each LF Of Cut-Off Section, Add	42.31	
33 42 16 13-0029 LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,140.29	130.97
For Each LF Of Cut-Off Section, Add	45.61	
33 42 16 13-0030 LF 16' x 10' Precast Reinforced Concrete Box Culvert	1,425.17	149.67
For Each LF Of Cut-Off Section, Add	57.01	
33 42 16 13-0031 LF 24' x 10' Precast Reinforced Concrete Box Culvert	1,755.69	149.67
For Each LF Of Cut-Off Section, Add	70.23	
33 42 16 13-0032 Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 16 13)</small>		
Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 16 13-0033 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	629.37	37.42
For Each LF Of Cut-Off Section, Add	25.17	
33 42 16 13-0034 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	704.99	37.42
For Each LF Of Cut-Off Section, Add	28.20	
33 42 16 13-0035 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	799.30	46.77
For Each LF Of Cut-Off Section, Add	31.97	
33 42 16 13-0036 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	874.92	46.77
For Each LF Of Cut-Off Section, Add	35.00	
33 42 16 13-0037 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	950.54	46.77
For Each LF Of Cut-Off Section, Add	38.02	
33 42 16 13-0038 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	878.67	48.64
For Each LF Of Cut-Off Section, Add	35.15	
33 42 16 13-0039 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	954.29	48.64
For Each LF Of Cut-Off Section, Add	38.17	
33 42 16 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,105.53	48.64
For Each LF Of Cut-Off Section, Add	44.22	
33 42 16 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,044.88	56.13
For Each LF Of Cut-Off Section, Add	41.80	
33 42 16 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,236.50	76.34
For Each LF Of Cut-Off Section, Add	49.46	
33 42 16 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	954.29	48.64
For Each LF Of Cut-Off Section, Add	38.17	
33 42 16 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,044.88	56.13
For Each LF Of Cut-Off Section, Add	41.80	
33 42 16 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,120.50	56.13
For Each LF Of Cut-Off Section, Add	44.82	
33 42 16 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,233.51	74.84
For Each LF Of Cut-Off Section, Add	49.34	
33 42 16 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,309.13	74.84
For Each LF Of Cut-Off Section, Add	52.37	
33 42 16 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,497.80	93.54
For Each LF Of Cut-Off Section, Add	59.91	
33 42 16 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,321.51	74.84
For Each LF Of Cut-Off Section, Add	52.86	
33 42 16 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,520.56	93.54
For Each LF Of Cut-Off Section, Add	60.82	
33 42 16 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,504.11	93.54
For Each LF Of Cut-Off Section, Add	60.16	
33 42 16 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,593.90	93.54
For Each LF Of Cut-Off Section, Add	63.76	
33 42 16 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,721.10	112.26
For Each LF Of Cut-Off Section, Add	68.84	
33 42 16 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,810.90	112.26
For Each LF Of Cut-Off Section, Add	72.44	
33 42 16 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	1,900.70	112.26
For Each LF Of Cut-Off Section, Add	76.03	
33 42 16 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,990.50	112.26
For Each LF Of Cut-Off Section, Add	79.62	
33 42 16 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,997.36	130.97
For Each LF Of Cut-Off Section, Add	79.89	
33 42 16 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,099.43	130.97
For Each LF Of Cut-Off Section, Add	83.98	
33 42 16 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,303.60	130.97
For Each LF Of Cut-Off Section, Add	92.14	
33 42 16 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,507.77	130.97
For Each LF Of Cut-Off Section, Add	100.31	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Culverts	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,998.89 119.96	149.67
33 42 16 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,770.19 150.81	149.67
33 44 Storm Utility Water Drains (33 40)		
33 44 13 Utility Area Drains (33 44)		
33 44 13 13 Catchbasins (33 44 13)		
33 44 13 13-0001 Storm Drains (33 44 13 13) See CSI section 33 39 13 00-0001 for manhole structures.		
33 44 13 13-0002 Catch Basins And Inlet Basins (33 44 13 13-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 44 13 13-0003 Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0002) Note: Inside dimensions.		
33 44 13 13-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,255.33	234.90
33 44 13 13-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,498.55	275.24
33 44 13 13-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,741.77	315.49
33 44 13 13-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,985.00	355.82
33 44 13 13-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,228.21	396.09
33 44 13 13-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,605.78	233.49
33 44 13 13-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,989.04	311.31
33 44 13 13-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,542.44	424.53
33 44 13 13-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,094.54	495.28
33 44 13 13-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,534.09	566.03
33 44 13 13-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,725.52	254.71
33 44 13 13-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,390.00	353.77
33 44 13 13-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,923.46	459.90
33 44 13 13-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,376.08	530.65
33 44 13 13-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,282.91	679.24
33 44 13 13-0022 Cast In Place, Catch Basin (33 44 13 13-0002) Note: Inside span, overall depth.		
33 44 13 13-0023 3' x 3', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,562.13	284.00
33 44 13 13-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,657.43	301.98
33 44 13 13-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,808.20	324.34
33 44 13 13-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,034.30	359.01
33 44 13 13-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,191.73	382.14
33 44 13 13-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,295.83	400.75
33 44 13 13-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,453.38	423.89
33 44 13 13-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,555.20	442.57
33 44 13 13-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,713.77	465.63
33 44 13 13-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,816.85	484.32
33 44 13 13-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,974.36	507.45
33 44 13 13-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	371.81	63.40
33 44 13 13-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	1,799.35	328.30
33 44 13 13-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,919.93	351.36
33 44 13 13-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,077.28	374.50
33 44 13 13-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,341.37	414.76
33 44 13 13-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,514.87	440.94
33 44 13 13-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,634.90	462.66
33 44 13 13-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,810.54	488.84
33 44 13 13-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,930.58	510.56
33 44 13 13-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,105.00	536.74
33 44 13 13-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,225.23	558.46
33 44 13 13-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,399.75	584.64
33 44 13 13-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	424.98	73.09
33 44 13 13-0049 4' x 4', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,053.22	375.56
33 44 13 13-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,180.40	399.40
33 44 13 13-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,362.04	427.63
33 44 13 13-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,664.53	473.56

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0054	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,856.17	502.78
33 44 13 13-0055	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,993.27	527.61
33 44 13 13-0056	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,184.92	556.83
33 44 13 13-0057	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,321.81	581.67
33 44 13 13-0058	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,513.46	610.89
33 44 13 13-0059	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,650.57	635.72
33 44 13 13-0060	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,842.22	665.01
33 44 13 13-0061	VLF		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	480.26	83.13
33 44 13 13-0062			4'-6" x 4'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0063	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,372.14	435.49
33 44 13 13-0064	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,520.30	460.11
33 44 13 13-0065	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,721.80	491.95
33 44 13 13-0066	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,066.71	544.17
33 44 13 13-0067	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,279.84	577.14
33 44 13 13-0068	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,438.50	605.65
33 44 13 13-0069	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,651.83	638.62
33 44 13 13-0070	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,810.47	667.21
33 44 13 13-0071	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,023.60	700.18
33 44 13 13-0072	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,181.26	728.69
33 44 13 13-0073	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,395.59	761.67
33 44 13 13-0074	VLF		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	549.49	95.24
33 44 13 13-0075			5' x 5', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,049.15	552.37
33 44 13 13-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,433.24	610.39
33 44 13 13-0078	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,664.79	646.55
33 44 13 13-0079	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,840.87	678.25
33 44 13 13-0080	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,070.22	714.33
33 44 13 13-0081	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,247.30	746.03
33 44 13 13-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,477.85	782.18
33 44 13 13-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,652.73	813.88
33 44 13 13-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,884.28	849.97
33 44 13 13-0085	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	835.86	106.27
33 44 13 13-0086			5'-6" x 5'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,392.29	615.98
33 44 13 13-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,939.77	697.29
33 44 13 13-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,196.28	737.47
33 44 13 13-0090	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,397.31	773.48
33 44 13 13-0091	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,655.02	813.95
33 44 13 13-0092	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,857.06	849.97
33 44 13 13-0093	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,113.56	890.44
33 44 13 13-0094	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,314.60	926.46
33 44 13 13-0095	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,571.11	966.92
33 44 13 13-0096	VLF		>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	696.40	120.85
33 44 13 13-0097			6' x 6', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0098	EA		4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,753.60	682.57
33 44 13 13-0099	EA		4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,356.78	771.79
33 44 13 13-0100	EA		5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,632.14	815.51
33 44 13 13-0101	EA		5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,851.82	854.78
33 44 13 13-0102	EA		6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,126.17	898.50
33 44 13 13-0103	EA		6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,347.06	937.77
33 44 13 13-0104	EA		7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,621.21	981.50
33 44 13 13-0105	EA		7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,841.09	1,020.76
33 44 13 13-0106	EA		8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,116.44	1,064.49
33 44 13 13-0107	VLF		>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	764.59	133.08
33 44 13 13-0108			6'-6" x 6'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0109	EA		4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,130.84	752.32
33 44 13 13-0110	EA		4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,947.58	871.61
33 44 13 13-0111	EA		5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,250.22	920.02
33 44 13 13-0112	EA		5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,498.33	963.95
33 44 13 13-0113	EA		6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,800.97	1,012.28
33 44 13 13-0114	EA		6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,049.08	1,056.28
33 44 13 13-0115	EA		7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,351.73	1,104.61
33 44 13 13-0116	EA		7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,599.85	1,148.55
33 44 13 13-0117	EA		8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,903.69	1,196.94
33 44 13 13-0118	VLF		>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	862.93	149.65
33 44 13 13-0119			7' x 7', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0120	EA		4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	4,525.15	825.13
33 44 13 13-0121	EA		4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,418.75	955.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,740.67	1,007.11
33 44 13 13-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,006.92	1,054.37
33 44 13 13-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,329.77	1,106.09
33 44 13 13-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,596.01	1,153.43
33 44 13 13-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,917.94	1,205.15
33 44 13 13-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,185.19	1,252.48
33 44 13 13-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,507.04	1,304.21
33 44 13 13-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	938.42	163.01
33 44 13 13-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,114.62	926.10
33 44 13 13-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,909.27	1,042.42
33 44 13 13-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,249.26	1,097.54
33 44 13 13-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,535.78	1,148.20
33 44 13 13-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,876.71	1,203.31
33 44 13 13-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,163.23	1,253.97
33 44 13 13-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,503.22	1,309.09
33 44 13 13-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,789.74	1,359.75
33 44 13 13-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,130.73	1,414.87
33 44 13 13-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,016.32	176.88
33 44 13 13-0141 8' x 8', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	5,559.90	1,007.61
33 44 13 13-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,417.78	1,132.92
33 44 13 13-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,776.91	1,191.36
33 44 13 13-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,082.71	1,245.41
33 44 13 13-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,441.77	1,303.86
33 44 13 13-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,745.57	1,357.91
33 44 13 13-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,106.62	1,416.35
33 44 13 13-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,412.41	1,470.41
33 44 13 13-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,765.19	1,528.85
33 44 13 13-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,096.44	191.11
33 44 13 13-0152 Precast Concrete Catch Basins (33 44 13 13-0002)		
Note: Inside dimensions.		
33 44 13 13-0153 1'-6" Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	490.02	152.86
33 44 13 13-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	682.21	229.30
33 44 13 13-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	864.99	298.08
33 44 13 13-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,035.69	352.36
33 44 13 13-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,275.92	447.13
33 44 13 13-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,459.81	515.92
33 44 13 13-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	101.72	34.39
33 44 13 13-0161 2' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	558.23	170.06
33 44 13 13-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	772.89	252.22
33 44 13 13-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	976.12	332.48
33 44 13 13-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,164.99	387.89
33 44 13 13-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,443.95	496.81
33 44 13 13-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	1,649.97	573.24
33 44 13 13-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	115.00	41.28
33 44 13 13-0169 3' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	735.88	200.64
33 44 13 13-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,005.17	296.56
33 44 13 13-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,263.52	391.72
33 44 13 13-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	1,573.60	489.17
33 44 13 13-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	1,859.04	583.17
33 44 13 13-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	2,134.71	678.72
33 44 13 13-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	146.91	48.48
33 44 13 13-0177 4' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	889.52	223.19
33 44 13 13-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,157.44	305.73
33 44 13 13-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	1,551.67	458.59
33 44 13 13-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	1,936.30	573.24
33 44 13 13-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	2,289.20	687.89
33 44 13 13-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	2,631.21	802.53
33 44 13 13-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	180.64	57.33
33 44 13 13-0185 5' Diameter Precast Catch Basins (33 44 13 13-0152)		

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0186 EA 4' Deep, 5' Diameter Precast Catch Basin	1,197.69	305.73
33 44 13 13-0187 EA 6' Deep, 5' Diameter Precast Catch Basin	1,641.12	458.59
33 44 13 13-0188 EA 8' Deep, 5' Diameter Precast Catch Basin	2,086.80	611.45
33 44 13 13-0189 EA 10' Deep, 5' Diameter Precast Catch Basin	2,552.55	764.32
33 44 13 13-0190 EA 12' Deep, 5' Diameter Precast Catch Basin	3,011.64	917.19
33 44 13 13-0191 EA 14' Deep, 5' Diameter Precast Catch Basin	3,505.43	1,070.05
33 44 13 13-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	240.36	76.44
33 44 13 13-0193 6' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0194 EA 4' Deep, 6' Diameter Precast Catch Basin	1,752.92	458.59
33 44 13 13-0195 EA 6' Deep, 6' Diameter Precast Catch Basin	2,378.64	687.89
33 44 13 13-0196 EA 8' Deep, 6' Diameter Precast Catch Basin	3,047.52	917.19
33 44 13 13-0197 EA 10' Deep, 6' Diameter Precast Catch Basin	3,798.22	1,146.48
33 44 13 13-0198 EA 12' Deep, 6' Diameter Precast Catch Basin	4,526.57	1,375.78
33 44 13 13-0199 EA 14' Deep, 6' Diameter Precast Catch Basin	5,238.52	1,605.07
33 44 13 13-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	358.31	114.65
33 44 13 13-0201 Precast Catch Basins Accessories (33 44 13 13-0152)		
33 44 13 13-0202 EA Single Or Double Wing Slab Top With Throat.....	1,065.49	496.81
33 44 13 13-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	483.57	61.14
33 44 13 13-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	273.04	64.97
33 44 13 13-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring	340.94	95.54
For Each Additional Inch In Height, Add	40.89	
33 44 13 13-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring	402.25	114.65
For Each Additional Inch In Height, Add	47.92	
33 44 13 13-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring	469.16	133.75
For Each Additional Inch In Height, Add	55.93	
33 44 13 13-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring	588.20	191.08
For Each Additional Inch In Height, Add	66.22	
33 44 13 13-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	458.56	
33 44 13 13-0210 Catch Basin Risers (33 44 13 13-0152)		
33 44 13 13-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser	281.14	
33 44 13 13-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	313.84	
33 44 13 13-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	352.72	
33 44 13 13-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	302.66	
33 44 13 13-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	337.55	
33 44 13 13-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	380.65	
33 44 13 13-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	334.80	
33 44 13 13-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	365.78	
33 44 13 13-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	409.02	
33 44 13 13-0220 CalTran Concrete Drainage Inlet Structures (33 44 13 13-0001)		
33 44 13 13-0221 Type OS Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0222 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,890.10	
33 44 13 13-0223 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,196.34	
33 44 13 13-0224 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,480.85	
33 44 13 13-0225 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,743.62	
33 44 13 13-0226 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,984.67	
33 44 13 13-0227 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,203.98	
33 44 13 13-0228 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,359.71	
33 44 13 13-0229 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,083.12	
33 44 13 13-0230 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,751.10	
33 44 13 13-0231 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,365.18	
33 44 13 13-0232 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,956.91	
33 44 13 13-0233 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,501.41	
33 44 13 13-0234 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,998.64	
33 44 13 13-0235 Type OL-7 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0236 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,573.77	
33 44 13 13-0237 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,860.14	
33 44 13 13-0238 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,124.77	
33 44 13 13-0239 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,367.69	
33 44 13 13-0240 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,588.11	
33 44 13 13-0241 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,787.56	
33 44 13 13-0242 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,908.96	
33 44 13 13-0243 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,615.51	
33 44 13 13-0244 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,266.64	
33 44 13 13-0245 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,863.11	
33 44 13 13-0246 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,440.30	
33 44 13 13-0247 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,970.24	
33 44 13 13-0248 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,452.93	



Utilities 33		
Storm Drainage Utilities		33 40
Storm Utility Water Drains		33 44

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 44 13 13-0249			Type OL-10 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0250	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,203.80		
33 44 13 13-0251	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,472.03		
33 44 13 13-0252	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,717.76		
33 44 13 13-0253	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,942.54		
33 44 13 13-0254	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,144.82		
33 44 13 13-0255	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,325.37		
33 44 13 13-0256	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,458.20		
33 44 13 13-0257	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,147.16		
33 44 13 13-0258	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,782.20		
33 44 13 13-0259	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,361.81		
33 44 13 13-0260	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,923.68		
33 44 13 13-0261	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,439.07		
33 44 13 13-0262	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,906.45		

33 44 13 13-0263			Type OL-14 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0264	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,101.94		
33 44 13 13-0265	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,343.41		
33 44 13 13-0266	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,563.16		
33 44 13 13-0267	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,761.18		
33 44 13 13-0268	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,937.48		
33 44 13 13-0269	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,092.04		
33 44 13 13-0270	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,236.32		
33 44 13 13-0271	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,901.33		
33 44 13 13-0272	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,511.67		
33 44 13 13-0273	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,067.35		
33 44 13 13-0274	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,609.32		
33 44 13 13-0275	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,103.26		
33 44 13 13-0276	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,549.96		

33 44 13 13-0277			Type OL-21 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0278	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,925.03		
33 44 13 13-0279	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,113.28		
33 44 13 13-0280	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,279.81		
33 44 13 13-0281	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,424.61		
33 44 13 13-0282	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,546.91		
33 44 13 13-0283	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,648.26		
33 44 13 13-0284	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,758.21		
33 44 13 13-0285	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,376.07		
33 44 13 13-0286	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,939.26		
33 44 13 13-0287	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,447.79		
33 44 13 13-0288	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,948.97		
33 44 13 13-0289	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,402.14		
33 44 13 13-0290	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,808.06		

33 44 13 13-0291			Type GOL-7 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0292	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,123.37		
33 44 13 13-0293	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,439.50		
33 44 13 13-0294	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,730.70		
33 44 13 13-0295	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,996.95		
33 44 13 13-0296	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,239.05		
33 44 13 13-0297	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,456.96		
33 44 13 13-0298	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,675.63		
33 44 13 13-0299	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,462.58		
33 44 13 13-0300	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,188.06		
33 44 13 13-0301	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,851.32		
33 44 13 13-0302	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,494.29		
33 44 13 13-0303	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,084.11		
33 44 13 13-0304	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,620.02		

33 44 13 13-0305			Type GOL-10 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0306	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,807.03		
33 44 13 13-0307	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,102.53		
33 44 13 13-0308	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,373.87		
33 44 13 13-0309	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,621.02		
33 44 13 13-0310	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,843.26		
33 44 13 13-0311	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,040.54		
33 44 13 13-0312	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,259.21		
33 44 13 13-0313	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,027.83		
33 44 13 13-0314	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,734.98		
33 44 13 13-0315	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,380.67		
33 44 13 13-0316	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,007.75		
33 44 13 13-0317	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,581.67		
33 44 13 13-0318	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,102.46		

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0319			Type G-1 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,273.48	
	EA	4'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,522.78	
	EA	5'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,753.89	
	EA	6'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,968.35	
	EA	7'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,166.15	
	EA	8'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,345.78	
33 44 13 13-0326			Type G-2 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,756.06	
	EA	4'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,036.31	
	EA	5'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,296.70	
	EA	6'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,537.25	
	EA	7'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,757.92	
	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,957.96	
	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,004.98	
	EA	10'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,672.42	
	EA	12'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,289.60	
	EA	14'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,856.51	
	EA	16'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,402.86	
	EA	18'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,905.77	
	EA	20'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,364.52	
33 44 13 13-0340			Type G-3 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,380.71	
	EA	4'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,626.57	
	EA	5'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,855.01	
	EA	6'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,066.78	
	EA	7'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,260.37	
	EA	8'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,437.31	
33 44 13 13-0347			Type G-4_24 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,702.44	
	EA	4'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,984.42	
	EA	5'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,246.54	
	EA	6'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,488.02	
	EA	7'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,710.42	
	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,912.19	
	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,982.09	
	EA	10'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,650.77	
	EA	12'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,268.44	
	EA	14'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,835.83	
	EA	16'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,382.55	
	EA	18'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,885.86	
	EA	20'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,345.74	
33 44 13 13-0361			Type G-4_18 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,756.06	
	EA	4'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,036.31	
	EA	5'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,296.70	
	EA	6'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,537.25	
	EA	7'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,757.92	
	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,957.96	
	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,004.98	
	EA	10'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,672.42	
	EA	12'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,289.60	
	EA	14'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,856.51	
	EA	16'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,402.86	
	EA	18'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,905.77	
	EA	20'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,364.52	
33 44 13 13-0375			Type G-5 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,367.31	
	EA	4'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,613.41	
	EA	5'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,842.84	
	EA	6'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,054.09	
	EA	7'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,248.69	
	EA	8'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,425.87	
33 44 13 13-0382			Type G-6 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
	EA	3'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,394.13	
	EA	4'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,639.74	
	EA	5'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,867.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0386 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,078.71	
33 44 13 13-0387 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,272.06	
33 44 13 13-0388 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,448.76	
33 44 13 13-0389 Type GT1 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0390 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,332.47	
33 44 13 13-0391 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,716.83	
33 44 13 13-0392 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,100.48	
33 44 13 13-0393 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,404.21	
33 44 13 13-0394 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,706.46	
33 44 13 13-0395 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,982.09	
33 44 13 13-0396 Type GT2 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0397 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,828.46	
33 44 13 13-0398 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,246.95	
33 44 13 13-0399 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,634.76	
33 44 13 13-0400 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,992.65	
33 44 13 13-0401 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,319.86	
33 44 13 13-0402 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,617.16	
33 44 13 13-0403 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,179.10	
33 44 13 13-0404 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,163.13	
33 44 13 13-0405 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,071.90	
33 44 13 13-0406 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,906.19	
33 44 13 13-0407 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,711.42	
33 44 13 13-0408 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,451.55	
33 44 13 13-0409 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,126.59	
33 44 13 13-0410 Type GT3 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0411 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,319.07	
33 44 13 13-0412 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,703.68	
33 44 13 13-0413 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,061.67	
33 44 13 13-0414 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,392.29	
33 44 13 13-0415 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,694.78	
33 44 13 13-0416 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,970.64	
33 44 13 13-0417 Type GT4 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0418 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,922.30	
33 44 13 13-0419 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,337.58	
33 44 13 13-0420 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,722.94	
33 44 13 13-0421 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,077.63	
33 44 13 13-0422 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,402.40	
33 44 13 13-0423 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,697.26	
33 44 13 13-0424 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,190.55	
33 44 13 13-0425 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,174.33	
33 44 13 13-0426 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,082.87	
33 44 13 13-0427 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,916.15	
33 44 13 13-0428 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,721.19	
33 44 13 13-0429 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,461.13	
33 44 13 13-0430 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,135.99	
33 44 13 13-0431 Type GO Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0432 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,662.23	
33 44 13 13-0433 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,932.53	
33 44 13 13-0434 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,183.44	
33 44 13 13-0435 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,414.97	
33 44 13 13-0436 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,627.11	
33 44 13 13-0437 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,820.65	
33 44 13 13-0438 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,879.10	
33 44 13 13-0439 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,526.67	
33 44 13 13-0440 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,124.27	
33 44 13 13-0441 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,673.42	
33 44 13 13-0442 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,203.63	
33 44 13 13-0443 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,690.50	
33 44 13 13-0444 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,135.57	
33 44 13 13-0445 Type GDO Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0446 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,171.62	
33 44 13 13-0447 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,526.91	
33 44 13 13-0448 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,856.86	
33 44 13 13-0449 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,162.20	
33 44 13 13-0450 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,441.41	
33 44 13 13-0451 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,696.02	
33 44 13 13-0452 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,989.06	
33 44 13 13-0453 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,823.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0454 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,594.96	
33 44 13 13-0455 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,303.60	
33 44 13 13-0456 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,986.85	
33 44 13 13-0457 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,615.27	
33 44 13 13-0458 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,188.87	
33 44 13 13-0459 Headwalls <small>(33 44 13 13-0001)</small>		
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 44 13 13-0460 Cast In Place Concrete Headwalls <small>(33 44 13 13-0459)</small>		
33 44 13 13-0461 Skewed Wingwall, Cast In Place Concrete Headwall <small>(33 44 13 13-0460)</small>		
Note: Sized by pipe diameter.		
33 44 13 13-0462 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	956.05	477.59
33 44 13 13-0463 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,208.17	509.43
33 44 13 13-0464 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,570.66	667.28
33 44 13 13-0465 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,424.98	955.18
33 44 13 13-0466 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,356.26	1,273.57
33 44 13 13-0467 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,227.82	1,678.71
33 44 13 13-0468 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,889.45	2,315.56
33 44 13 13-0469 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,996.01	2,729.05
33 44 13 13-0470 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,424.86	3,322.39
33 44 13 13-0471 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,132.53	4,021.79
33 44 13 13-0472 Precast Concrete Headwalls <small>(33 44 13 13-0459)</small>		
33 44 13 13-0473 EA 12" Pipe, Precast Concrete Headwall	481.76	129.44
33 44 13 13-0474 EA 15" Pipe, Precast Concrete Headwall	503.34	136.63
33 44 13 13-0475 EA 18" Pipe, Precast Concrete Headwall	556.06	155.33
33 44 13 13-0476 EA 24" Pipe, Precast Concrete Headwall	611.19	165.39
33 44 13 13-0477 EA 30" Pipe, Precast Concrete Headwall	790.94	194.16
33 44 13 13-0478 EA 36" Pipe, Precast Concrete Headwall	896.40	201.35
33 44 13 13-0479 EA 42" Pipe, Precast Concrete Headwall	1,142.74	230.95
33 44 13 13-0480 EA 48" Pipe, Precast Concrete Headwall	1,254.74	254.44
33 44 13 13-0481 EA 54" Pipe, Precast Concrete Headwall	1,379.02	269.41
33 44 13 13-0482 EA 60" Pipe, Precast Concrete Headwall	1,554.22	269.41
33 44 13 13-0483 EA 72" Pipe, Precast Concrete Headwall	1,844.76	336.77
33 44 13 13-0484 EA 84" Pipe, Precast Concrete Headwall	2,557.59	404.12
33 44 13 13-0485 Precast Concrete Wingwalls <small>(33 44 13 13-0459)</small>		
33 44 13 13-0486 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	3,068.79	1,333.59
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0487 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	3,293.30	1,481.77
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0488 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	3,667.49	1,728.74
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0489 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	4,041.67	1,975.70
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 44 13 13-0490 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall	4,041.67	1,975.70
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0491 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall	4,191.34	2,074.48
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0492 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall	6,340.75	2,123.87
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0493 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall	6,565.26	2,272.06
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 44 13 13-0494 Precast Concrete Transverse Drainage Interceptor <small>(33 44 13 13-0459)</small>		
33 44 13 13-0495 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,490.03	523.86
33 44 13 13-0496 Catch Basin Frames And Covers <small>(33 44 13 13-0001)</small>		
33 44 13 13-0497 Cast Iron Frames And Covers <small>(33 44 13 13-0496)</small>		
33 44 13 13-0498 EA 18" Diameter Cast Iron Catch Basin Frame And Cover	392.91	76.44
33 44 13 13-0499 EA 22" Diameter Cast Iron Catch Basin Frame And Cover	489.08	86.37
33 44 13 13-0500 EA 24" Diameter Cast Iron Catch Basin Frame And Cover	546.93	89.42
33 44 13 13-0501 EA 26" Diameter Cast Iron Catch Basin Frame And Cover	613.69	103.95
33 44 13 13-0502 EA 28" Diameter Cast Iron Catch Basin Frame And Cover	710.73	118.47
33 44 13 13-0503 EA 32" Diameter Cast Iron Catch Basin Frame And Cover	1,101.47	123.82
33 44 13 13-0504 EA 16" x 16" Cast Iron Catch Basin Frame And Cover	609.23	94.01
33 44 13 13-0505 EA 18" x 24" Cast Iron Catch Basin Frame And Cover	784.29	108.53
33 44 13 13-0506 EA 20" x 27" Cast Iron Catch Basin Frame And Cover	880.32	113.12
33 44 13 13-0507 EA 23" x 23" Cast Iron Catch Basin Frame And Cover	836.10	113.12
33 44 13 13-0508 EA 24" x 24" Cast Iron Catch Basin Frame And Cover	864.80	117.70
33 44 13 13-0509 EA 26" x 26" Cast Iron Catch Basin Frame And Cover	925.91	122.29
33 44 13 13-0510 EA 24" x 36" Cast Iron Catch Basin Frame And Cover	1,102.48	131.47



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0511 Curb Inlet Frames And Covers <small>(33 44 13 13-0001)</small>		
33 44 13 13-0512 Cast Iron Curb Inlet Frames And Covers <small>(33 44 13 13-0511)</small>		
33 44 13 13-0513 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	749.76	89.42
33 44 13 13-0514 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	803.22	103.95
33 44 13 13-0515 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	832.19	103.95
33 44 13 13-0516 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	911.69	122.29
33 44 13 13-0517 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	898.42	126.11
33 44 13 13-0518 Area Yard Drain <small>(33 44 13 13-0001)</small>		
33 44 13 13-0519 Ductile Iron Grates <small>(33 44 13 13-0518)</small> Note: Not for traffic loading.		
33 44 13 13-0520 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	93.31	25.86
33 44 13 13-0521 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	112.07	27.58
33 44 13 13-0522 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	243.99	34.48
33 44 13 13-0523 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	291.64	41.37
33 44 16 Utility Trench Drains <small>(33 44)</small>		
33 44 16 00-0001 Modular Trench Drains <small>(33 44 16)</small> See CSI section 03 31 13 00-0011 for concrete.		
33 44 16 00-0002 Modular Trench Drains <small>(33 44 16 00-0001)</small> Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.		
33 44 16 00-0003 6" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0003)</small>		
33 44 16 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0004)</small>		
33 44 16 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	75.62	12.23
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 44 16 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0004)</small>		
33 44 16 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	36.62	
33 44 16 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.27	
33 44 16 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.27	
33 44 16 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0004)</small>		
33 44 16 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.09	
33 44 16 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.09	
33 44 16 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	275.38	
33 44 16 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	512.54	
33 44 16 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 44 16 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0003)</small>		
33 44 16 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0017)</small>		
33 44 16 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	103.48	12.23
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	
33 44 16 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0017)</small>		
33 44 16 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	39.00	
33 44 16 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	46.65	
33 44 16 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	46.65	
33 44 16 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0017)</small>		
33 44 16 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.09	
33 44 16 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.09	
33 44 16 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	275.38	
33 44 16 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	512.54	
33 44 16 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 44 16 00-0030		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0030)</small>			
33 44 16 00-0031		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0030)</small>			
33 44 16 00-0032	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	129.57		12.23
		<i>For Black Acid Resistant Coated Frame, Add</i>	22.53		
		<i>For Galvanized Top Frame Assembly, Add</i>	22.53		
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01		
33 44 16 00-0033		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains			
33 44 16 00-0034	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	57.97		
33 44 16 00-0035	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	65.62		
33 44 16 00-0036	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	65.62		
33 44 16 00-0037		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0030)</small>			
33 44 16 00-0038	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.09		
33 44 16 00-0039	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	60.09		
33 44 16 00-0040	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	275.38		
33 44 16 00-0041	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	512.54		
33 44 16 00-0042	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	59.29		
33 44 16 00-0043		12" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>			
33 44 16 00-0044		12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0043)</small>			
33 44 16 00-0045		12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>			
33 44 16 00-0046	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	134.42		16.81
		<i>For Acid Resistant Coated Top Frame, Add</i>	30.83		
		<i>For Galvanized Welded Frame Assembly, Add</i>	32.31		
		<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98		
33 44 16 00-0047		Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>			
33 44 16 00-0048	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	69.00		
33 44 16 00-0049	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	79.20		
33 44 16 00-0050	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	79.20		
33 44 16 00-0051		Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>			
33 44 16 00-0052	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	104.62		
33 44 16 00-0053	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	134.26		
33 44 16 00-0054	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	533.11		
33 44 16 00-0055	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,007.43		
33 44 16 00-0056	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58		
33 44 16 00-0057		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0043)</small>			
33 44 16 00-0058		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>			
33 44 16 00-0059	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	164.07		16.81
		<i>For Acid Resistant Coated Top Frame, Add</i>	30.83		
		<i>For Galvanized Welded Frame Assembly, Add</i>	32.31		
		<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98		
33 44 16 00-0060		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>			
33 44 16 00-0061	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	71.37		
33 44 16 00-0062	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	81.57		
33 44 16 00-0063	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	81.57		
33 44 16 00-0064		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>			
33 44 16 00-0065	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	104.62		
33 44 16 00-0066	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.26		
33 44 16 00-0067	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	533.11		
33 44 16 00-0068	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,007.43		
33 44 16 00-0069	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58		
33 44 16 00-0070		12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0043)</small>			



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	223.36	16.81
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	160.30	
33 44 16 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	170.50	
33 44 16 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	170.50	
33 44 16 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	104.62	
33 44 16 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	134.26	
33 44 16 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	533.11	
33 44 16 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,007.43	
33 44 16 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 44 16 00-0083 23" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0083)</small>		
33 44 16 00-0085 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	187.14	22.93
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	197.93	
33 44 16 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	305.10	
33 44 16 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	305.10	
33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	230.44	
33 44 16 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,044.17	
33 44 16 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,992.81	
33 44 16 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 44 16 00-0096 Modular Trench Drain Grates <small>(33 44 16 00-0001)</small>		
33 44 16 00-0097 6" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0098 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.75	2.30
33 44 16 00-0099 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.80	2.30
33 44 16 00-0100 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.29	2.30
33 44 16 00-0101 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.70	2.30
33 44 16 00-0102 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.26	2.30
33 44 16 00-0103 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	51.85	2.30
33 44 16 00-0104 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	51.85	2.30
33 44 16 00-0105 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.26	2.30
33 44 16 00-0106 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	45.33	2.30
33 44 16 00-0107 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.33	2.30
33 44 16 00-0108 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	48.06	2.30
33 44 16 00-0109 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	48.06	2.30
33 44 16 00-0110 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	61.93	2.30
33 44 16 00-0111 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	61.93	2.30
33 44 16 00-0112 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.74	2.30
33 44 16 00-0113 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.74	2.30
33 44 16 00-0114 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.39	2.30
33 44 16 00-0115 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	42.96	2.30
33 44 16 00-0116 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	90.39	2.30
33 44 16 00-0117 12" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0118 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.28	2.48
33 44 16 00-0119 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.17	2.48
33 44 16 00-0120 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.01	2.48
33 44 16 00-0121 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	143.83	2.48
33 44 16 00-0122 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.56	2.48
33 44 16 00-0123 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	241.66	2.48

33 Utilities
33 40 Storm Drainage Utilities
33 44 Storm Utility Water Drains



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0124	LF		12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.66	2.48
33 44 16 00-0125	LF		12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.76	2.48
33 44 16 00-0126	LF		12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	307.76	2.48
33 44 16 00-0127	LF		12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.25	2.48
33 44 16 00-0128	LF		12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.25	2.48
33 44 16 00-0129	LF		12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.39	2.48
33 44 16 00-0130	LF		12" Wide, Fiberglass, Modular Trench Drain Grate	177.03	2.48
33 44 16 00-0131			23" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0132	LF		23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.35	2.67
33 44 16 00-0133	LF		23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.03	2.67
33 44 16 00-0134	LF		23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	336.61	2.67
33 44 16 00-0135	LF		23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.05	2.67
33 44 19			Utility Oil and Gas Separators (33 44)		
33 44 19 19			Utility Oil and Gas Separators (33 44 19)		
33 44 19 19-0001			Oil/Water Separator (33 44 19 19) Note: Complete with internal sensors and detectors.		
33 44 19 19-0002			Coalescing Oil Water Separator (33 44 19 19-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 19 19-0003			Single Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0004	EA		550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	10,895.12	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0005	EA		1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	12,904.07	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0006	EA		2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	15,066.84	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0007			Double Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0008	EA		550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	15,866.34	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0009	EA		1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	17,957.89	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0010	EA		2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	21,519.04	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0011	EA		3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	24,743.13	
			Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
			For Interior Polyurethane Coating, Add	1,550.70	
33 44 19 19-0012	EA		5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	32,076.08	
			Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
			For Interior Polyurethane Coating, Add	2,057.80	
33 44 19 19-0013			Accessories For Coalescing Oil Water Separators (33 44 19 19-0002)		
33 44 19 19-0014	EA		Single Channel Alarm Panel For Coalescing Oil Water Separator.....	615.86	
			Note: HTAP1.		
33 44 19 19-0015	EA		Two Channel Alarm Panel For Coalescing Oil Water Separator.....	832.52	
			Note: HTAP2.		
33 44 19 19-0016	EA		Float Interface Sensor For Coalescing Oil Water Separator	483.49	
			Note: Required for UL 2215 label.		
33 44 19 19-0017	EA		1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator.....	363.11	
			Note: Required for UL 2215 label.		
33 44 19 19-0018	EA		Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	137.40	
			Note: Required for UL 2215 label.		
33 44 19 19-0019	EA		550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,036.52	
33 44 19 19-0020	EA		3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,073.04	
33 44 19 19-0021	EA		5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,109.61	
33 44 19 19-0022	EA		550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	392.58	
33 44 19 19-0023	EA		2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	456.78	
33 44 19 19-0024	EA		3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	913.55	
33 44 19 19-0025	EA		5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,972.23	
33 44 19 19-0026	EA		30" Diameter Grade Level Manway For Coalescing Oil Water Separator	543.05	
			Note: Required when installed in paved areas.		
33 44 19 19-0027	EA		36" Diameter Grade Level Manway For Coalescing Oil Water Separator	700.96	
			Note: Required when installed in paved areas.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	959.20	
33 44 19 19-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,709.54	
33 44 19 19-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,185.03	
33 44 19 19-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,730.74	
33 44 19 19-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,430.93	
33 44 19 19-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	669.09	
33 44 19 19-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	815.55	
33 44 19 19-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,281.01	
33 44 19 19-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	638.00	
33 44 19 19-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	774.42	
33 44 19 19-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	918.88	
33 44 19 19-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	54.17	
33 44 19 19-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.19	
33 44 19 19-0041 Oil Skimmers <small>(33 44 19 19)</small>		
33 44 19 19-0042 Oil Skimmers, 12" And 24" Models <small>(33 44 19 19-0041)</small>		
33 44 19 19-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,572.42	449.09
33 44 19 19-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,797.50	449.09
33 44 19 19-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,593.26	449.09
33 44 19 19-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,881.90	449.09
33 44 19 19-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,829.80	449.09
33 44 19 19-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,020.49	449.09
33 44 19 19-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,878.78	449.09
33 44 19 19-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,166.38	449.09
33 44 19 19-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,113.75	598.91
33 44 19 19-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,354.46	598.91
33 44 19 19-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,177.31	598.91
33 44 19 19-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,523.27	598.91
33 44 19 19-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,722.30	598.91
33 44 19 19-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,963.01	598.91
33 44 19 19-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,773.36	598.91
33 44 19 19-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,120.36	598.91
33 44 19 19-0059 Oil Skimmers, Add-Ons <small>(33 44 19 19-0041)</small>		
33 44 19 19-0060 LF Add For Belt Projection, 12" Width	15.63	
33 44 19 19-0061 LF Add For Belt Projection, 24" Width	29.18	
33 44 19 19-0062 LF Add For Spacer Stands, 12" Models	229.06	
33 44 19 19-0063 LF Add For Spacer Stands, 24" Models	274.91	
33 46 Subdrainage <small>(33 40)</small>		
33 46 16 Subdrainage Piping <small>(33 46)</small>		
See CSI section 33 41 13 00-0210 for polyethylene drain pipe.		
33 46 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 46 16)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 46 16 00-0002 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.69	3.42
33 46 16 00-0003 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.29	4.11
33 46 16 00-0004 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.21	5.13
33 46 16 00-0005 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	14.02	5.87
33 46 16 00-0006 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	17.77	6.85
33 46 16 00-0007 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	29.52	8.21
33 46 16 00-0008 Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 46 16)</small>		
33 46 16 00-0009 LF 6" Perforated Non Reinforced Concrete Drainage Pipe	17.84	4.31
<i>For Extra Strength, Add</i>		
	1.03	
<i>For >1,000, Deduct</i>		
	-0.89	
33 46 16 00-0010 LF 8" Perforated Non Reinforced Concrete Drainage Pipe	20.72	5.03
<i>For Extra Strength, Add</i>		
	1.27	
<i>For >1,000, Deduct</i>		
	-1.04	
33 46 16 00-0011 LF 10" Perforated Non Reinforced Concrete Drainage Pipe	23.46	5.76
<i>For Extra Strength, Add</i>		
	1.48	
<i>For >1,000, Deduct</i>		
	-1.17	
33 46 16 00-0012 LF 12" Perforated Non Reinforced Concrete Drainage Pipe	27.87	7.19
<i>For Extra Strength, Add</i>		
	1.85	
<i>For >1,000, Deduct</i>		
	-1.39	
33 46 16 00-0013 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 46 16 00-0014 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	18.51	9.06
<i>For >1,000, Deduct</i>		
	-0.93	

33	Utilities
33 40	Storm Drainage Utilities
33 46	Subdrainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0015	LF		8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....20.50		10.07
			<i>For >1,000, Deduct</i>	-1.03	
33 46 16 00-0016	LF		10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....22.61		11.07
			<i>For >1,000, Deduct</i>	-1.13	
33 46 16 00-0017	LF		12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....25.62		11.51
			<i>For >1,000, Deduct</i>	-1.28	
33 46 16 00-0018	LF		15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....29.56		12.94
			<i>For >1,000, Deduct</i>	-1.48	
33 46 16 00-0019	LF		18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....36.62		16.54
			<i>For >1,000, Deduct</i>	-1.83	
33 46 16 00-0020	LF		21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....45.81		21.22
			<i>For >1,000, Deduct</i>	-2.29	
33 46 16 00-0021	LF		24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....55.83		25.89
			<i>For >1,000, Deduct</i>	-2.79	
33 46 16 00-0022			Standard Strength Porous Non Reinforced Concrete Drainage Piping,		
			C654 <small>(33 46 16)</small>		
33 46 16 00-0023	LF		6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....13.60		4.31
			<i>For >1,000, Deduct</i>	-0.68	
33 46 16 00-0024	LF		8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....17.21		5.03
			<i>For >1,000, Deduct</i>	-0.86	
33 46 16 00-0025	LF		10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....21.90		5.76
			<i>For >1,000, Deduct</i>	-1.10	
33 46 16 00-0026	LF		12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....32.08		11.51
			<i>For >1,000, Deduct</i>	-1.60	
33 46 16 00-0027	LF		15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....36.60		12.94
			<i>For >1,000, Deduct</i>	-1.83	
33 46 16 00-0028	LF		18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....47.19		16.54
			<i>For >1,000, Deduct</i>	-2.36	
33 46 16 00-0029			Aluminum, Perforated Corrugated Metal Drainage Piping <small>(33 46 16)</small>		
33 46 16 00-0030	LF		6" 18 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....14.33		4.31
			<i>For Galvanized, Add</i>	1.43	
			<i>For Steel, Add</i>	0.43	
33 46 16 00-0031	LF		8" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....17.03		5.39
			<i>For Galvanized, Add</i>	1.64	
			<i>For Steel, Add</i>	0.49	
33 46 16 00-0032	LF		10" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....20.28		6.47
			<i>For Galvanized, Add</i>	1.75	
			<i>For Steel, Add</i>	0.53	
33 46 16 00-0033	LF		12" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....24.45		7.55
			<i>For Galvanized, Add</i>	2.19	
			<i>For Steel, Add</i>	0.66	
33 46 16 00-0034	LF		15" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....23.05		7.91
			<i>For Galvanized, Add</i>	1.70	
			<i>For Steel, Add</i>	0.51	
33 46 16 00-0035	LF		18" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe .....30.86		8.63
			<i>For Galvanized, Add</i>	3.51	
			<i>For Steel, Add</i>	1.05	
33 46 16 00-0036			Perforated Vitrified Clay Drainage Piping, C700 <small>(33 46 16)</small>		
33 46 16 00-0037	LF		4" Perforated Vitrified Clay Drainage Pipe .....11.50		5.76
33 46 16 00-0038	LF		6" Perforated Vitrified Clay Drainage Pipe .....15.03		5.76
33 46 16 00-0039	LF		8" Perforated Vitrified Clay Drainage Pipe .....17.24		5.76
33 46 16 00-0040	LF		10" Perforated Vitrified Clay Drainage Pipe .....20.91		5.76
33 46 16 00-0041	LF		12" Perforated Vitrified Clay Drainage Pipe .....24.96		5.76
33 46 16 00-0042			Geotextile Filter Fabric Sock <small>(33 46 16)</small>		
33 46 16 00-0043	LF		3" Geotextile Filter Fabric Sock.....0.52		
33 46 16 00-0044	LF		4" Geotextile Filter Fabric Sock.....0.68		
33 46 16 00-0045	LF		6" Geotextile Filter Fabric Sock.....1.04		
33 46 16 00-0046	LF		8" Geotextile Filter Fabric Sock.....1.39		
33 46 16 00-0047	LF		10" Geotextile Filter Fabric Sock.....2.02		
33 46 16 00-0048	LF		12" Geotextile Filter Fabric Sock.....2.71		
33 46 16 00-0049	LF		15" Geotextile Filter Fabric Sock.....3.17		
33 46 23			Underslab Drainage <small>(33 46)</small>		
33 46 23 00-0001			Capillary Water Barrier Underslab Drainage <small>(33 46 23)</small>		
			Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 46 23 00-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....25.28		
33 46 23 00-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....23.36		
33 46 23 00-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....22.59		
33 46 23 00-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....21.45		

33 50 Fuel Distribution Utilities (33)



Utilities	33	CS
Fuel Distribution Utilities	33 50	
Natural-Gas Distribution	33 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 51 Natural-Gas Distribution (33 51)

33 51 13 Natural-Gas Piping (33 51)

33 51 13 00-0001 Gas Distribution Lines (33 51 13)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 51 13 00-0002 High Density Polyethylene (HDPE) Pressure Piping (33 51 13 00-0001)

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 51 13 00-0003 High Density Polyethylene (HDPE) Pressure Pipe (33 51 13 00-0002)

33 51 13 00-0004	LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.26	3.84
	For DR 17 (100 PSI), Add	0.17	
	For DR 15.5 (110 PSI), Add	0.25	
	For DR 13.5 (128 PSI), Add	0.39	
	For DR 11 (160 PSI), Add	0.62	
33 51 13 00-0005	LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	14.59	4.18
	For DR 26 (65 PSI), Deduct	-0.38	
	For DR 17 (100 PSI), Add	0.46	
	For DR 15.5 (110 PSI), Add	0.67	
	For DR 13.5 (128 PSI), Add	1.05	
	For DR 11 (160 PSI), Add	1.69	
33 51 13 00-0006	LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	17.91	4.48
	For DR 26 (65 PSI), Deduct	-0.82	
	For DR 17 (100 PSI), Add	1.00	
	For DR 15.5 (110 PSI), Add	1.46	
	For DR 13.5 (128 PSI), Add	2.28	
	For DR 11 (160 PSI), Add	3.66	
33 51 13 00-0007	LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.62	4.67
	For DR 26 (65 PSI), Deduct	-1.39	
	For DR 17 (100 PSI), Add	1.69	
	For DR 15.5 (110 PSI), Add	2.47	
	For DR 13.5 (128 PSI), Add	3.86	
	For DR 11 (160 PSI), Add	6.21	
33 51 13 00-0008	LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.05	4.75
	For DR 26 (65 PSI), Deduct	-2.17	
	For DR 17 (100 PSI), Add	2.63	
	For DR 15.5 (110 PSI), Add	3.85	
	For DR 13.5 (128 PSI), Add	6.00	
	For DR 11 (160 PSI), Add	9.66	
33 51 13 00-0009	LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	31.71	4.98
	For DR 26 (65 PSI), Deduct	-3.12	
	For DR 17 (100 PSI), Add	3.79	
	For DR 15.5 (110 PSI), Add	5.54	
	For DR 13.5 (128 PSI), Add	8.65	
	For DR 11 (160 PSI), Add	13.93	
33 51 13 00-0010	LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.46	5.48
	For DR 26 (65 PSI), Deduct	-3.67	
	For DR 17 (100 PSI), Add	4.45	
	For DR 15.5 (110 PSI), Add	6.52	
	For DR 13.5 (128 PSI), Add	10.17	
	For DR 11 (160 PSI), Add	16.37	
33 51 13 00-0011	LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.25	6.03
	For DR 26 (65 PSI), Deduct	-4.80	
	For DR 17 (100 PSI), Add	5.81	
	For DR 15.5 (110 PSI), Add	8.52	
	For DR 13.5 (128 PSI), Add	13.29	
	For DR 11 (160 PSI), Add	21.39	
33 51 13 00-0012	LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	52.63	6.52
	For DR 26 (65 PSI), Deduct	-6.06	
	For DR 17 (100 PSI), Add	7.35	
	For DR 15.5 (110 PSI), Add	10.76	
	For DR 13.5 (128 PSI), Add	16.80	
	For DR 11 (160 PSI), Add	27.03	
33 51 13 00-0013	LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	46.09	7.15
	For DR 26 (65 PSI), Deduct	-4.50	
	For DR 17 (100 PSI), Add	5.46	
	For DR 15.5 (110 PSI), Add	8.00	
	For DR 13.5 (128 PSI), Add	12.48	
	For DR 11 (160 PSI), Add	20.09	
33 51 13 00-0014	LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	82.32	7.83
	For DR 26 (65 PSI), Deduct	-10.79	
	For DR 17 (100 PSI), Add	13.07	
	For DR 15.5 (110 PSI), Add	19.15	
	For DR 13.5 (128 PSI), Add	29.88	
	For DR 11 (160 PSI), Add	48.10	

33 51 13 00-0015 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping (33 51 13 00-0002)

33 51 13 00-0016	EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	49.98	10.89
	For DR 26 (65 PSI), Deduct	-3.17	
	For DR 17 (100 PSI), Add	3.85	
	For DR 15.5 (110 PSI), Add	5.63	
	For DR 13.5 (128 PSI), Add	8.79	
	For DR 11 (160 PSI), Add	14.15	

33 Utilities**33 50 Fuel Distribution Utilities****33 51 Natural-Gas Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 00-0017 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.91	12.11
For DR 26 (65 PSI), Deduct	-3.78	
For DR 17 (100 PSI), Add	4.58	
For DR 15.5 (110 PSI), Add	6.71	
For DR 13.5 (128 PSI), Add	10.47	
For DR 11 (160 PSI), Add	16.86	
33 51 13 00-0018 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	96.31	13.83
For DR 26 (65 PSI), Deduct	-10.06	
For DR 17 (100 PSI), Add	12.19	
For DR 15.5 (110 PSI), Add	17.85	
For DR 13.5 (128 PSI), Add	27.86	
For DR 11 (160 PSI), Add	44.85	
33 51 13 00-0019 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	163.09	16.15
For DR 26 (65 PSI), Deduct	-21.02	
For DR 17 (100 PSI), Add	25.48	
For DR 15.5 (110 PSI), Add	37.32	
For DR 13.5 (128 PSI), Add	58.25	
For DR 11 (160 PSI), Add	93.75	
33 51 13 00-0020 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	255.94	21.56
For DR 26 (65 PSI), Deduct	-35.08	
For DR 17 (100 PSI), Add	42.53	
For DR 15.5 (110 PSI), Add	62.28	
For DR 13.5 (128 PSI), Add	97.21	
For DR 11 (160 PSI), Add	156.47	
33 51 13 00-0021 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	377.04	32.26
For DR 26 (65 PSI), Deduct	-51.38	
For DR 17 (100 PSI), Add	62.28	
For DR 15.5 (110 PSI), Add	91.20	
For DR 13.5 (128 PSI), Add	142.35	
For DR 11 (160 PSI), Add	229.13	
33 51 13 00-0022 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	463.24	43.06
For DR 26 (65 PSI), Deduct	-61.24	
For DR 17 (100 PSI), Add	74.24	
For DR 15.5 (110 PSI), Add	108.72	
For DR 13.5 (128 PSI), Add	169.70	
For DR 11 (160 PSI), Add	273.14	
33 51 13 00-0023 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	593.65	64.54
For DR 26 (65 PSI), Deduct	-73.34	
For DR 17 (100 PSI), Add	88.91	
For DR 15.5 (110 PSI), Add	130.20	
For DR 13.5 (128 PSI), Add	203.22	
For DR 11 (160 PSI), Add	327.10	
33 51 13 00-0024 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	762.29	72.59
For DR 26 (65 PSI), Deduct	-99.81	
For DR 17 (100 PSI), Add	120.99	
For DR 15.5 (110 PSI), Add	177.18	
For DR 13.5 (128 PSI), Add	276.55	
For DR 11 (160 PSI), Add	445.13	
33 51 13 00-0025 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,068.52	82.39
For DR 26 (65 PSI), Deduct	-150.09	
For DR 17 (100 PSI), Add	181.94	
For DR 15.5 (110 PSI), Add	266.44	
For DR 13.5 (128 PSI), Add	415.87	
For DR 11 (160 PSI), Add	669.38	
33 51 13 00-0026 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,383.50	96.84
For DR 26 (65 PSI), Deduct	-200.37	
For DR 17 (100 PSI), Add	242.89	
For DR 15.5 (110 PSI), Add	355.70	
For DR 13.5 (128 PSI), Add	555.20	
For DR 11 (160 PSI), Add	893.63	
33 51 13 00-0027 Tees, High Density Polyethylene (HDPE) Pressure Piping (33 51 13 00-0002)		
33 51 13 00-0028 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.76	11.40
For DR 26 (65 PSI), Deduct	-4.15	
For DR 17 (100 PSI), Add	5.03	
For DR 15.5 (110 PSI), Add	7.37	
For DR 13.5 (128 PSI), Add	11.50	
For DR 11 (160 PSI), Add	18.51	
33 51 13 00-0029 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	65.35	12.91
For DR 26 (65 PSI), Deduct	-4.88	
For DR 17 (100 PSI), Add	5.92	
For DR 15.5 (110 PSI), Add	8.67	
For DR 13.5 (128 PSI), Add	13.54	
For DR 11 (160 PSI), Add	21.79	
33 51 13 00-0030 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	114.31	14.90
For DR 26 (65 PSI), Deduct	-12.77	
For DR 17 (100 PSI), Add	15.48	
For DR 15.5 (110 PSI), Add	22.67	
For DR 13.5 (128 PSI), Add	35.38	
For DR 11 (160 PSI), Add	56.95	



Utilities	33	CS
Fuel Distribution Utilities	33 50	
Natural-Gas Distribution	33 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 00-0031 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	229.50	17.61
For DR 26 (65 PSI), Deduct	-32.39	
For DR 17 (100 PSI), Add	39.27	
For DR 15.5 (110 PSI), Add	57.50	
For DR 13.5 (128 PSI), Add	89.76	
For DR 11 (160 PSI), Add	144.47	
33 51 13 00-0032 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	310.27	25.84
For DR 26 (65 PSI), Deduct	-42.68	
For DR 17 (100 PSI), Add	51.73	
For DR 15.5 (110 PSI), Add	75.76	
For DR 13.5 (128 PSI), Add	118.25	
For DR 11 (160 PSI), Add	190.33	
33 51 13 00-0033 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	434.07	38.77
For DR 26 (65 PSI), Deduct	-58.27	
For DR 17 (100 PSI), Add	70.64	
For DR 15.5 (110 PSI), Add	103.44	
For DR 13.5 (128 PSI), Add	161.46	
For DR 11 (160 PSI), Add	259.88	
33 51 13 00-0034 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	519.19	48.42
For DR 26 (65 PSI), Deduct	-68.55	
For DR 17 (100 PSI), Add	83.10	
For DR 15.5 (110 PSI), Add	121.70	
For DR 13.5 (128 PSI), Add	189.95	
For DR 11 (160 PSI), Add	305.75	
33 51 13 00-0035 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	662.00	72.59
For DR 26 (65 PSI), Deduct	-81.41	
For DR 17 (100 PSI), Add	98.68	
For DR 15.5 (110 PSI), Add	144.52	
For DR 13.5 (128 PSI), Add	225.57	
For DR 11 (160 PSI), Add	363.07	
33 51 13 00-0036 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	870.77	84.57
For DR 26 (65 PSI), Deduct	-113.11	
For DR 17 (100 PSI), Add	137.12	
For DR 15.5 (110 PSI), Add	200.80	
For DR 13.5 (128 PSI), Add	313.43	
For DR 11 (160 PSI), Add	504.48	
33 51 13 00-0037 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,254.39	99.89
For DR 26 (65 PSI), Deduct	-174.38	
For DR 17 (100 PSI), Add	211.39	
For DR 15.5 (110 PSI), Add	309.57	
For DR 13.5 (128 PSI), Add	483.20	
For DR 11 (160 PSI), Add	777.74	
33 51 13 00-0038 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,648.59	121.09
For DR 26 (65 PSI), Deduct	-235.65	
For DR 17 (100 PSI), Add	285.66	
For DR 15.5 (110 PSI), Add	418.34	
For DR 13.5 (128 PSI), Add	652.97	
For DR 11 (160 PSI), Add	1,050.99	

33 70 Electrical Utilities ⁽³³⁾

33 71 Electrical Utility Transmission And Distribution ^(33 70)

33 71 19 Electrical Underground Ducts And Manholes ^(33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes ^(33 71 19)

33 71 19 00-0002 Electrical Pull Boxes ^(33 71 19 00-0001)

See CSI section 33 05 16 13-0427 for handholes.

33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,315.10
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,566.02
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,805.00
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,763.10
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,937.52
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,154.34
33 71 19 00-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,625.68
33 71 19 00-0010 EA 18" x 28" x 34", Electric Pull Boxes, Precast Concrete	1,399.99
33 71 19 00-0011 EA 14" x 20" x 12", Electric Pull Boxes, Precast Concrete	735.85
33 71 19 00-0012 EA 18" x 28" x 12", Electric Pull Boxes, Precast Concrete	886.79
33 71 19 00-0013 EA 24" x 36" x 12", Electric Pull Boxes, Precast Concrete	1,172.94
33 71 19 00-0014 EA 24" x 3", Round Electric Pull Boxes, Precast Concrete	719.80
33 71 19 00-0015 EA 30" x 3", Round Electric Pull Boxes, Precast Concrete	761.14
33 71 19 00-0016 EA No. 5 Electric Pull Boxes, Precast Concrete.....	1,009.87
For 12" Extension, Add	111.54
For Traffic Rated Lid, Add	91.57
33 71 19 00-0017 EA No. 6 Electric Pull Boxes, Precast Concrete.....	1,111.62
For 12" Extension, Add	136.98
For Traffic Rated Lid, Add	122.09

33 71 19 00-0018 Electrical Pull Boxes (CALTRANS And SDG&E) ^(33 71 19 00-0001)

33 71 19 00-0019 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	89.29
33 71 19 00-0020 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	30.90

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission And Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71	19 00-0021	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	49.69	
33 71	19 00-0022	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	94.51	
33 71	19 00-0023	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	140.99	
			<i>For Galvanized Steel Cover, Add</i>	22.50	
33 71	19 00-0024	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	42.54	
33 71	19 00-0025	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	42.54	
33 71	19 00-0026	EA	Body, CALTRANS 5 Precast Concrete Pull Box.....	129.41	
33 71	19 00-0027	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	39.70	
33 71	19 00-0028	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	58.49	
33 71	19 00-0029	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	183.89	
			<i>For Galvanized Steel Cover, Add</i>	41.25	
33 71	19 00-0030	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	56.29	
33 71	19 00-0031	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	53.27	
33 71	19 00-0032	EA	Body, CALTRANS 6 Precast Concrete Pull Box.....	138.21	
33 71	19 00-0033	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	51.52	
33 71	19 00-0034	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	70.31	
33 71	19 00-0035	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	248.79	
			<i>For Galvanized Steel Cover, Add</i>	57.75	
33 71	19 00-0036	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	65.09	
33 71	19 00-0037	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	61.79	
33 71	19 00-0038	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	81.59	
33 71	19 00-0039	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	169.87	
33 71	19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	219.09	
33 71	19 00-0041	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	76.09	
33 71	19 00-0042	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	70.59	
33 71	19 00-0043	EA	Body, CALTRANS 5-T Precast Concrete Pull Box.....	226.21	
33 71	19 00-0044	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	312.59	
33 71	19 00-0045	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	89.29	
33 71	19 00-0046	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	87.09	
33 71	19 00-0047	EA	Body, CALTRANS 6-T Precast Concrete Pull Box.....	306.51	
33 71	19 00-0048	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	433.59	
33 71	19 00-0049	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	144.29	
33 71	19 00-0050	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	114.59	
33 71	19 00-0051	EA	24" x 36" Handhole (SDG&E 3313K/T).....	146.34	
33 71	19 00-0052	EA	SDG&E Traffic Cover (SDG&E 3313CSTG).....	910.95	
33 71	19 00-0053		Precast Concrete Box Extensions (33 71 19 00-0001)		
33 71	19 00-0054	EA	14" x 20" x 12", Precast Concrete Extension.....	156.20	
33 71	19 00-0055	EA	18" x 28" x 12", Precast Concrete Extension.....	196.17	
33 71	19 00-0056	EA	24" x 36" x 12", Precast Concrete Extension.....	255.64	
33 71	19 00-0057	EA	30" x 48" x 12", Precast Concrete Extension.....	314.49	
33 71	19 00-0058	EA	36" x 60" x 12", Precast Concrete Extension.....	506.81	
33 71	19 00-0059	EA	36" x 72" x 12", Precast Concrete Extension.....	679.97	
33 71	19 00-0060	EA	48" x 48" x 12", Precast Concrete Extension.....	774.17	
33 71	19 00-0061	EA	48" x 60" x 12", Precast Concrete Extension.....	950.06	
33 71	19 00-0062		Electrical Property Line Boxes (33 71 19)		
33 71	19 00-0063	EA	3'-6" x 2'-9" x 2' Deep Property Line Box.....	2,488.87	286.56
33 71	19 00-0064	EA	4'-6" x 3'-6" x 4' Deep Property Line Box.....	2,901.36	297.17
33 71	19 00-0065	EA	6' x 4' x 5' Deep Property Line Box.....	3,204.11	360.85
33 71	19 00-0066	EA	11'-6" x 4'-6" x 6' Deep Property Line Box.....	4,892.89	530.66
33 71	19 00-0067		Underground Electrical Concrete Markers (33 71 19)		
33 71	19 00-0068	EA	36" x 6" x 6", Underground Electric Concrete Marker.....	246.91	
33 71	19 00-0069		Underground Cable Protection Slab And Marking (33 71 19)		
33 71	19 00-0070	EA	24" x 12", 2" Concrete, Underground Cable Protection.....	3.79	
33 71	19 00-0071	LF	Underground Marking Tape, 6" Wide (15 cm).....	0.68	
33 71	19 00-0072	LF	Foil Utility Marking Tape, 6" Wide, Magnetic.....	0.76	
33 71	19 00-0073		Manhole Accessories (33 71 19)		
33 71	19 00-0074	EA	6" Precast Grade Ring Riser Casting.....	345.31	
33 71	19 00-0075	EA	12" Precast Grade Ring Riser Casting.....	373.95	
33 71	19 00-0076	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,292.67	
33 71	19 00-0077	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,683.52	
33 71	19 00-0078	EA	Cast Iron Adjusting Ring NEENAH #R-1979.....	560.66	
33 71	19 00-0079	EA	Cast Iron Frame And Cover NEENAH #R-1640-B.....	706.92	

END OF SECTION 33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 01 Operation And Maintenance Of Transportation ⁽³⁴⁾

34 01 43 Operation And Maintenance Of Bridges ^(34 01)

34 01 43 00-0001 Repair Of Bridge Posts ^(34 01 43)

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	27.11
34 01 43 00-0003	EA	Replace Concrete Post, 20" x 20" Square, 36" To 42" High	1,393.34
Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.			
34 01 43 00-0004	EA	Repair Bearing Pad	497.42

34 01 43 00-0005 Repair Of Bridge Rails ^(34 01 43)

34 01 43 00-0006	EA	Repair Concrete Rail Supports	263.43
34 01 43 00-0007	LF	Repair Guardrail	98.78
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	164.64
34 01 43 00-0009	LF	Repair Bridge Rail.....	65.86
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	37.38
34 01 43 00-0011	LF	Replace Metal Rail, 1-1/2" Galvanized	40.97
34 01 43 00-0012	LF	Replace Metal Rail, 2-1/2" Galvanized	53.35
34 01 43 00-0013	LF	Replace Metal Rail, 3" Galvanized.....	59.84

34 01 43 00-0014 Repair Of Bridge ^(34 01 43)

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	16.32
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34 05 Common Work Results For Transportation ⁽³⁴⁾

34 05 43 Common Work Results For Bridges ^(34 05)

34 05 43 00-0001 Bridge And Structures Concrete Repair ^(34 05 43)

Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting and/or concrete pump truck.

34 05 43 00-0002 Patch Decks Or Floors ^(34 05 43 00-0001)

Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0003	EA	Patch Up To 16 SF Of Decks Or Floors, Portland Cement Based Repair Material.....	1,566.06
34 05 43 00-0004	SF	Patch >16 SF Decks Or Floors, Portland Cement Based Repair Material.....	65.56
34 05 43 00-0005	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Concrete Repair Material	1,603.51
34 05 43 00-0006	SF	Patch >16 SF Decks Or Floors, Rapid Set Concrete Repair Material.....	67.90
34 05 43 00-0007	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	1,595.23
34 05 43 00-0008	SF	Patch >16 SF Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	67.38
34 05 43 00-0009	EA	Patch Up To 16 SF Of Decks Or Floors, SSI Flex Patch (Other Than Specified)	2,229.98
<i>For Owner Furnished Material, Deduct</i>			<i>-793.65</i>
34 05 43 00-0010	SF	Patch >16 SF Decks Or Floors, SSI Flex Patch (Other Than Specified)	107.05
<i>For Owner Furnished Material, Deduct</i>			<i>-49.60</i>

34 05 43 00-0011 Patch Verticals Or Overheads ^(34 05 43 00-0001)

Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0012	EA	Patch Up To 16 SF Of Verticals Or Overheads, Portland Cement Based Repair Material	1,837.69
34 05 43 00-0013	SF	Patch >16 SF Verticals Or Overheads, Portland Cement Based Repair Material.....	78.95
34 05 43 00-0014	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Concrete Repair Material	1,875.14
34 05 43 00-0015	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Concrete Repair Material	81.29
34 05 43 00-0016	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate	1,866.85
34 05 43 00-0017	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate.....	80.77
34 05 43 00-0018	EA	Patch Up To 16 SF Of Verticals Or Overheads, SSI Flex Patch (Other Than Specified).....	2,517.25
<i>For Owner Furnished Material, Deduct</i>			<i>-793.65</i>
34 05 43 00-0019	SF	Patch >16 SF Verticals Or Overheads, SSI Flex Patch (Other Than Specified)	120.45
<i>For Owner Furnished Material, Deduct</i>			<i>-48.63</i>

34 05 43 00-0020 Patch Pier Caps And Pedestals ^(34 05 43 00-0001)

Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0021	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Portland Cement Based Repair Material.....	2,124.95
34 05 43 00-0022	SF	Patch >16 SF Pier Caps And Pedestals, Portland Cement Based Repair Material.....	89.72
34 05 43 00-0023	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Concrete Repair Material	2,162.40
34 05 43 00-0024	SF	Patch >16 SF Pier Caps And Pedestals, Rapid Set Concrete Repair Material.....	92.06
34 05 43 00-0025	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate.....	2,154.11

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0026 SF Patch >16 SF Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	91.54	
34 05 43 00-0027 EA Patch Up To 16 SF Of Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	2,804.51	
<i>For Owner Furnished Material, Deduct</i>	-793.65	
34 05 43 00-0028 SF Patch >16 SF Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	131.22	
<i>For Owner Furnished Material, Deduct</i>	-48.63	
34 05 43 00-0029 Patch Circular Piers <small>(34 05 43 00-0001)</small>		
Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0030 EA Patch Up To 16 SF Of Circular Pier, Portland Cement Based Repair Material	2,555.86	
34 05 43 00-0031 SF Patch >16 SF Of Circular Pier, Portland Cement Based Repair Material	100.50	
34 05 43 00-0032 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Concrete Repair Material	2,593.31	
34 05 43 00-0033 SF Patch >16 SF Of Circular Pier, Rapid Set Concrete Repair Material	102.84	
34 05 43 00-0034 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	2,585.02	
34 05 43 00-0035 SF Patch >16 SF Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	102.32	
34 05 43 00-0036 EA Patch Up To 16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	3,235.42	
<i>For Owner Furnished Material, Deduct</i>	-793.65	
34 05 43 00-0037 SF Patch >16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	142.00	
<i>For Owner Furnished Material, Deduct</i>	-48.63	
34 05 43 00-0038 High Strength Shotcrete Repair <small>(34 05 43)</small>		
34 05 43 00-0039 EA Mobilize High Strength Shotcrete Repair Crew	569.79	
34 05 43 00-0040 SF Up to 2" Thick, High Strength Shotcrete Repair	43.86	
<i>For Up To 25 SF, Add</i>	21.37	
<i>For >25 To 50, Add</i>	10.69	
<i>For >50 To 150, Add</i>	4.27	
34 05 43 00-0041 SF >2" To 4" Thick, High Strength Shotcrete Repair	52.10	
<i>For Up To 25 SF, Add</i>	24.93	
<i>For >25 To 50, Add</i>	12.47	
<i>For >50 To 150, Add</i>	4.99	
34 05 43 00-0042 SF >4" To 6" Thick, High Strength Shotcrete Repair	60.34	
<i>For Up To 25 SF, Add</i>	28.50	
<i>For >25 To 50, Add</i>	14.25	
<i>For >50 To 150, Add</i>	5.70	
34 05 43 00-0043 Bridge Railing <small>(34 05 43)</small>		
34 05 43 00-0044 Remove And Store Bridge Railings <small>(34 05 43 00-0043)</small>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0045 LF Remove And Store One Rail Bridge Railing	5.69	
34 05 43 00-0046 LF Remove And Store Two Rail Bridge Railing	11.39	
34 05 43 00-0047 LF Remove And Store Three Rail Bridge Railing	17.07	
34 05 43 00-0048 LF Remove And Store Four Rail Bridge Railing	22.77	
34 05 43 00-0049 Install Stored Or Supplied Bridge Railings <small>(34 05 43 00-0043)</small>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0050 LF Install Stored Or Supplied One Rail Bridge Railing	47.97	
34 05 43 00-0051 LF Install Stored Or Supplied Two Rail Bridge Railing	95.93	
34 05 43 00-0052 LF Install Stored Or Supplied Three Rail Bridge Railing	143.90	
34 05 43 00-0053 LF Install Stored Or Supplied Four Rail Bridge Railing	191.88	
34 05 43 00-0054 Bridge Bearings <small>(34 05 43)</small>		
Note: Excludes drilling and anchor bolts.		
34 05 43 00-0055 Elastomeric Bearings <small>(34 05 43 00-0054)</small>		
34 05 43 00-0056 EA Plain Elastomeric, Type EP Bearing, 716-10, All Sizes	677.53	228.59
34 05 43 00-0057 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, All Sizes	1,284.15	457.17
34 05 43 00-0058 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, All Sizes	2,268.57	685.75
34 05 43 00-0059 Fixed Structural Pot Bearings <small>(34 05 43 00-0054)</small>		
34 05 43 00-0060 EA 100K to 250K Fixed Structural Pot Bearing	1,829.33	
34 05 43 00-0061 EA >250K To 500K Fixed Structural Pot Bearing	2,842.90	
34 05 43 00-0062 EA >500K To 750K Fixed Structural Pot Bearing	3,856.44	
34 05 43 00-0063 Universal Structural Expansion Pot Bearings <small>(34 05 43 00-0054)</small>		
34 05 43 00-0064 EA 100K To 250K Universal Structural Pot Bearing	2,341.98	
34 05 43 00-0065 EA >250K To 500K Universal Structural Pot Bearing	3,633.78	
34 05 43 00-0066 EA >500K To 750K Universal Structural Pot Bearing	4,928.41	
34 05 43 00-0067 Guided Structural Expansion Pot Bearings <small>(34 05 43 00-0054)</small>		
34 05 43 00-0068 EA 100K To 250K Guided Structural Pot Bearing	2,421.44	
34 05 43 00-0069 EA >250K To 500K Guided Structural Pot Bearing	3,752.94	
34 05 43 00-0070 EA >500K To 750K Guided Structural Pot Bearing	5,087.30	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0071		Remove, Repair And Install Bridge Bearings (34 05 43 00-0054)		
34 05 43 00-0072		Remove Structural Bearings (34 05 43 00-0071)		
34 05 43 00-0073	EA	100K To 250K Structural Bearing Removal	328.59	
34 05 43 00-0074	EA	>250K To 500K Structural Bearing Removal	657.18	
34 05 43 00-0075	EA	>500K To 750K Structural Bearing Removal	985.77	
34 05 43 00-0076		Install And Set Supplied Or Restored Structural Bearings (34 05 43 00-0071)		
34 05 43 00-0077	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	492.88	
34 05 43 00-0078	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	985.77	
34 05 43 00-0079	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,478.65	
34 05 43 00-0080		Power Wash And Paint Structural Bearings (34 05 43 00-0071)		
		Note: Includes bearing plates.		
34 05 43 00-0081	EA	100K To 250K Structural Bearing - Power Wash And Paint	333.37	
34 05 43 00-0082	EA	>250K To 500K Structural Bearing - Power Wash And Paint	377.53	
34 05 43 00-0083	EA	>500K To 750K Structural Bearing - Power Wash And Paint	421.68	
34 05 43 00-0084		Power Wash, Mechanically Clean And Paint Structural Bearings (34 05 43 00-0071)		
		Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0085	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	442.90	
		<i>For Vacuum Contained Cleaning, Add</i>	109.53	
34 05 43 00-0086	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	500.74	
		<i>For Vacuum Contained Cleaning, Add</i>	123.22	
34 05 43 00-0087	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	558.59	
		<i>For Vacuum Contained Cleaning, Add</i>	136.91	
34 05 43 00-0088		Power Wash And Paint Only Bearing Plates (34 05 43 00-0071)		
34 05 43 00-0089	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	207.76	
34 05 43 00-0090	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	250.37	
34 05 43 00-0091	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	292.99	
34 05 43 00-0092		Power Wash, Mechanically Clean And Paint Only Bearing Plates (34 05 43 00-0071)		
34 05 43 00-0093	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	277.06	
		<i>For Vacuum Contained Cleaning, Add</i>	68.46	
34 05 43 00-0094	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	332.52	
		<i>For Vacuum Contained Cleaning, Add</i>	82.15	
34 05 43 00-0095	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	387.98	
		<i>For Vacuum Contained Cleaning, Add</i>	95.84	
34 05 43 00-0096		Grease Structural Bearings (34 05 43 00-0071)		
34 05 43 00-0097	EA	100K To 250K Structural Bearing - Grease	47.63	
34 05 43 00-0098	EA	>250K To 500K Structural Bearing - Grease	71.43	
34 05 43 00-0099	EA	>500K To 750K Structural Bearing - Grease	95.24	
34 05 43 00-0100		Replace Bronze Plate Wearing Pad (34 05 43 00-0071)		
34 05 43 00-0101	SF	Replace Bronze Plate Wearing Pad	267.51	
34 05 43 00-0102		Bridge Bearing Rivet Removal (34 05 43 00-0071)		
		Note: See CSI section 02 41 19 13-0062 for reaming of hole, 34 05 43 00-0177 for anchors and grouting.		
34 05 43 00-0103	EA	Bridge Bearing Rivet Removal	190.48	
34 05 43 00-0104		Vertical Jacking And Lifting (34 05 43)		
		Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0105		Mobilize Jacking Crew And Equipment (34 05 43 00-0104)		
		Note: Includes removing equipment after completion.		
34 05 43 00-0106	EA	Mobilize Bridge Jacking Crew and Equipment	1,714.39	
		<i>For Temporary Support Mobilization, Add</i>	3,428.78	
34 05 43 00-0107		Mobilize Bridge Crew (34 05 43 00-0104)		
		Note: Excludes mobilize jacking crew.		
34 05 43 00-0108	EA	Mobilize Bridge Crew	933.38	
34 05 43 00-0109		Vertical Jacking And Lifting Per Point of Contact (34 05 43 00-0104)		
		Note: Includes positioning jack, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0110 EA Up To 10 Ton Jack, Per Point Of Contact.....	285.73	
For Synchronized Lift, Add	57.15	
For Jacking From Temporary Support, Add	114.29	
34 05 43 00-0111 EA >10 To 20 Ton Jack, Per Point Of Contact.....	333.35	
For Synchronized Lift, Add	66.67	
For Jacking From Temporary Support, Add	133.34	
34 05 43 00-0112 EA >20 To 40 Ton Jack, Per Point Of Contact.....	380.97	
For Synchronized Lift, Add	76.19	
For Jacking From Temporary Support, Add	152.39	
34 05 43 00-0113 EA >40 To 60 Ton Jack, Per Point Of Contact.....	428.60	
For Synchronized Lift, Add	85.72	
For Jacking From Temporary Support, Add	171.44	
34 05 43 00-0114 EA >60 To 80 Ton Jack, Per Point Of Contact.....	476.21	
For Synchronized Lift, Add	95.24	
For Jacking From Temporary Support, Add	190.48	
34 05 43 00-0115 EA >80 To 100 Ton Jack, Per Point Of Contact.....	523.84	
For Synchronized Lift, Add	104.77	
For Jacking From Temporary Support, Add	209.54	
34 05 43 00-0116 Daily Charge For Vertical Jacking Equipment (34 05 43 00-0104)		
Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0117 DAY Up To 10 Ton Jacking Equipment Charge By The Day.....	8.16	
34 05 43 00-0118 DAY >10 To 20 Ton Jacking Equipment Charge By The Day.....	16.32	
34 05 43 00-0119 DAY >20 To 40 Ton Jacking Equipment Charge By The Day.....	32.65	
34 05 43 00-0120 DAY >40 To 60 Ton Jacking Equipment Charge By The Day.....	48.97	
34 05 43 00-0121 DAY >60 To 80 Ton Jacking Equipment Charge By The Day.....	65.30	
34 05 43 00-0122 DAY >80 To 100 Ton Jacking Equipment Charge By The Day.....	81.62	
34 05 43 00-0123 Pier Caps And Pedestal Replacement For Bridges (34 05 43)		
Note: Excludes demolition. See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0124 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas.....	18.52	
34 05 43 00-0125 CWT Rebar For Pier Cap Or Pedestals.....	325.55	
34 05 43 00-0126 CY Pour Pier Cap Or Pedestals.....	317.18	
34 05 43 00-0127 CY Demolition Of Concrete Pedestal.....	3,073.95	
34 05 43 00-0128 Bridge Deck Repair (34 05 43)		
34 05 43 00-0129 Replace Joint Seals (34 05 43 00-0128)		
34 05 43 00-0130 LF Replace Up To 1-1/2" Compression Seal For Existing Bridge Joint.....	64.41	
For >1-1/2" Seal, Add	12.50	
34 05 43 00-0131 LF Replace Strip Seal For Existing Bridge Joint.....	58.86	
34 05 43 00-0132 LF Replace Modular Seal For Existing Bridge Joint.....	112.44	
34 05 43 00-0133 Modular Expansion Joint Systems (34 05 43 00-0128)		
34 05 43 00-0134 LF One Cell Modular Expansion Joint System.....	327.51	
34 05 43 00-0135 LF Two Cell Modular Expansion Joint System.....	739.37	
34 05 43 00-0136 LF Four Cell Modular Expansion Joint System.....	1,477.85	
34 05 43 00-0137 Remove Existing Steel Joint System (34 05 43 00-0128)		
34 05 43 00-0138 LF Remove Existing Steel Joint System.....	62.03	
34 05 43 00-0139 Break-Up And Remove Bridge Decking By Machine (34 05 43 00-0128)		
Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0040 for saw cutting.		
34 05 43 00-0140 SY Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	13.29	
For >500 To 1,000, Deduct	-1.33	
For >1,000 To 2,500, Deduct	-2.39	
For >2,500 To 5,000, Deduct	-3.46	
For >5,000 To 10,000, Deduct	-4.52	
For >10,000, Deduct	-5.58	
34 05 43 00-0141 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine.....	18.15	
For >500 To 1,000, Deduct	-1.82	
For >1,000 To 2,500, Deduct	-3.27	
For >2,500 To 5,000, Deduct	-4.72	
For >5,000 To 10,000, Deduct	-6.17	
For >10,000, Deduct	-7.62	
34 05 43 00-0142 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	22.01	
For >500 To 1,000, Deduct	-2.20	
For >1,000 To 2,500, Deduct	-3.96	
For >2,500 To 5,000, Deduct	-5.72	
For >5,000 To 10,000, Deduct	-7.48	
For >10,000, Deduct	-9.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0143 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	28.30	
For >500 To 1,000, Deduct	-2.83	
For >1,000 To 2,500, Deduct	-5.09	
For >2,500 To 5,000, Deduct	-7.36	
For >5,000 To 10,000, Deduct	-9.62	
For >10,000, Deduct	-11.89	
34 05 43 00-0144 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	50.61	
For >500 To 1,000, Deduct	-5.06	
For >1,000 To 2,500, Deduct	-9.11	
For >2,500 To 5,000, Deduct	-13.16	
For >5,000 To 10,000, Deduct	-17.21	
For >10,000, Deduct	-21.26	
34 05 43 00-0145 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	66.04	
For >500 To 1,000, Deduct	-6.60	
For >1,000 To 2,500, Deduct	-11.89	
For >2,500 To 5,000, Deduct	-17.17	
For >5,000 To 10,000, Deduct	-22.45	
For >10,000, Deduct	-27.74	
34 05 43 00-0146 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	86.34	
For >500 To 1,000, Deduct	-8.63	
For >1,000 To 2,500, Deduct	-15.54	
For >2,500 To 5,000, Deduct	-22.45	
For >5,000 To 10,000, Deduct	-29.36	
For >10,000, Deduct	-36.26	
34 05 43 00-0147 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	104.80	
For >500 To 1,000, Deduct	-10.48	
For >1,000 To 2,500, Deduct	-18.86	
For >2,500 To 5,000, Deduct	-27.25	
For >5,000 To 10,000, Deduct	-35.63	
For >10,000, Deduct	-44.02	
34 05 43 00-0148 Break-Up And Remove Bridge Decking By Hand <small>(34 05 43 00-0128)</small>		
Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0040 for saw cutting.		
34 05 43 00-0149 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand	9.51	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0150 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand	12.52	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0151 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand	16.27	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0152 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand	11.90	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0153 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand	14.87	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0154 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand	17.84	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0155 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	4.00	
34 05 43 00-0156 Hydro Blasting Of Bridge Decks <small>(34 05 43 00-0128)</small>		
Note: Excludes hauling and disposal of water and debris.		
34 05 43 00-0157 EA Mobilization Of Hydro Blasting Equipment.....	9,550.05	
Note: Includes trailer with power, hydro milling machine, vacuum machine.		
34 05 43 00-0158 EA Mobilization Of Hydro Blasting Equipment.....	1,240.27	
Note: Includes water tank, pump and miscellaneous fittings.		
34 05 43 00-0159 SF Hydroblasting Of Up To 2-1/2" Of Bridge Decks.....	8.36	
34 05 43 00-0160 SF Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting	6.18	
34 05 43 00-0161 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2".....	1.52	
34 05 43 00-0162 SF Hydroblasting 3" To 4-1/2" Of Bridge Decks.....	12.36	
34 05 43 00-0163 SF Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting.....	8.36	
34 05 43 00-0164 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2"	4.00	
34 05 43 00-0165 GAL Water For Hydro Blasting.....	0.11	
Note: Includes delivery.		
34 05 43 00-0166 Galvanic Anodes <small>(34 05 43)</small>		
34 05 43 00-0167 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP).....	29.45	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0168 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT).....	29.45	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0169 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2).....	33.47	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0170 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4).....	36.52	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0171 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+).....	33.47	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0172 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65).....	34.49	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0173 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100).....	41.61	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0174 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135).....	38.56	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0175 Bridge Netting Panels (34 05 43)		
34 05 43 00-0176 SF Bridge Netting Panel.....	5.00	
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
For Up To 160 SF, Add	6.40	
For >160 To 320, Add	3.20	
For >320 To 480, Add	1.60	
For >2,000 To 10,000, Deduct	-0.21	
For >10,000 To 25,000, Deduct	-0.42	
For >25,000, Deduct	-0.63	
34 05 43 00-0177 Anchors (34 05 43)		
Note: Excludes core drilling. See CSI section 02 41 19 13-0062 for core drilling.		
34 05 43 00-0178 Threaded Rod, A449 (34 05 43 00-0177)		
34 05 43 00-0179 LF 7/8" Diameter Continuous Threaded Rod, A449.....	11.02	
34 05 43 00-0180 LF 1" Diameter Continuous Threaded Rod, A449.....	13.06	
34 05 43 00-0181 LF 1-1/8" Diameter Continuous Threaded Rod, A449.....	15.07	
34 05 43 00-0182 LF 1-1/4" Diameter Continuous Threaded Rod, A449.....	18.89	
34 05 43 00-0183 Flat Washers, F436 (34 05 43 00-0177)		
34 05 43 00-0184 EA 7/8" Flat Washer, F436.....	1.39	
34 05 43 00-0185 EA 1" Flat Washer, F436.....	1.62	
34 05 43 00-0186 EA 1-1/8" Flat Washer, F436.....	1.77	
34 05 43 00-0187 EA 1-1/4" Flat Washer, F436.....	2.02	
34 05 43 00-0188 Heavy Hex Nut, A194 (34 05 43 00-0177)		
34 05 43 00-0189 EA 7/8" Hex Nut, A194.....	2.65	
34 05 43 00-0190 EA 1" Hex Nut, A194.....	3.50	
34 05 43 00-0191 EA 1-1/8" Hex Nut, A194.....	4.11	
34 05 43 00-0192 EA 1-1/4" Hex Nut, A194.....	4.87	
34 05 43 00-0193 Grout For Threaded Rod (34 05 43 00-0177)		
34 05 43 00-0194 IN Grout 7/8" Rod In Hole.....	2.23	
34 05 43 00-0195 IN Grout 1" Rod In Hole.....	2.55	
34 05 43 00-0196 IN Grout 1-1/8" Rod In Hole.....	2.97	
34 05 43 00-0197 IN Grout 1-1/4" Rod In Hole.....	3.56	
34 05 43 00-0198 Test Grouted Anchor (34 05 43 00-0177)		
34 05 43 00-0199 EA Test Grouted Anchor.....	15.00	
34 05 43 00-0200 Bridge Surfacing (34 05 43)		
34 05 43 00-0201 Bridge Coatings (34 05 43 00-0200)		
Note: Includes sweeping of bridge deck.		
34 05 43 00-0202 SF Protective Seal Coat For Existing Bridge Decks.....	1.36	
34 05 43 00-0203 SF Penetrating Sealer For Existing Bridge Decks.....	2.14	
34 05 43 00-0204 Bridge Membranes (34 05 43 00-0200)		
Note: Excludes abrasive blasting of deck.		
34 05 43 00-0205 SF Spray Applied Membranes For Bridge Decks.....	13.72	
34 05 43 00-0206 SF Sheet Membranes For Bridge Decks.....	7.15	
34 05 43 00-0207 Sealer And/Overlay For Bridge Deck (34 05 43 00-0200)		
Note: Excludes sweeping, cleaning and abrasive blasting.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0208 SF Shot Blasting (Beads, Steel Balls, Etcetera) Bridge Decks.....	3.99	
Note: Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0209 SF Epoxy Bridge Deck Sealer.....	7.29	
34 05 43 00-0210 SF Poly Bridge Deck Sealer.....	6.75	
34 05 43 00-0211 SF HMWM (High Molecular Weight Methacrylate) Bridge Deck Sealer.....	12.47	
34 05 43 00-0212 Concrete Overlay For Bridge Deck (34 05 43 00-0200)		
Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0213 SY 3" Concrete Overlay For Bridge Deck.....	124.44	
For DOT Class DP, Add		22.93
For DOT Class E, Add		7.48
For DOT Class HP, Add		21.89
34 05 43 00-0214 Bridge Roadway Grooving (34 05 43 00-0200)		
34 05 43 00-0215 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal.....	2,749.11	
34 05 43 00-0216 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal.....	2.54	
34 05 43 00-0217 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse.....	3,062.61	
34 05 43 00-0218 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse.....	3.31	
34 05 43 00-0219 Gravity Fed Concrete Crack Repair (34 05 43 00-0200)		
Note: Includes removing loose materials and cleaning.		
34 05 43 00-0220 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair.....	2.03	
34 05 43 00-0221 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair.....	2.40	
34 05 43 00-0222 Bridge Girder Repair (34 05 43)		
34 05 43 00-0223 Bridge Girder Repair (34 05 43 00-0222)		
Note: Does not include mobilization of bridge jacking crew.		
34 05 43 00-0224 HR UT, MT, PT Testing.....	75.00	
Note: Does not include mileage to job site.		
34 05 43 00-0225 EA Mobilization of Bridge Girder Repair Crew.....	1,856.51	
34 05 43 00-0226 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair.....	9.23	4.36
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		10.91
For Aluminum, Add		0.61
For Galvanized Steel, Add		2.11
34 05 43 00-0227 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair.....	11.71	5.32
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		14.75
For Aluminum, Add		0.83
For Galvanized Steel, Add		2.86
34 05 43 00-0228 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair.....	11.56	4.90
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		16.06
For Aluminum, Add		0.90
For Galvanized Steel, Add		3.11
34 05 43 00-0229 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair.....	14.78	5.96
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		21.86
For Aluminum, Add		1.23
For Galvanized Steel, Add		4.23
34 05 43 00-0230 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair.....	18.97	7.78
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		27.49
For Aluminum, Add		1.55
For Galvanized Steel, Add		5.33
34 05 43 00-0231 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair.....	20.69	7.78
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		32.99
For Aluminum, Add		1.86
For Galvanized Steel, Add		6.39
34 05 43 00-0232 LF C4 x 5.4 - 4" Wide (Channels) For Bridge Repair.....	13.25	5.61
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		18.46
For Aluminum, Add		1.04
For Galvanized Steel, Add		3.58
34 05 43 00-0233 LF C6 x 8.2 - 6" Wide (Channels) For Bridge Repair.....	17.88	7.04
Cutting Fee For Channels And Angles, Add Per Each Peice		20.00
For Fractured Critical, Add		20.00
For Stainless Steel, Add		27.17
For Aluminum, Add		1.53
For Galvanized Steel, Add		5.26

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0234 SF 1/2" A36 Steel Plates For Bridge Repair	35.15	11.92
For A50 Grade, Add	1.13	
Cutting Fee For Plates 1/2" And Over, Add Per Each Peice	30.00	
For Fractured Critical, Add	20.00	
34 05 43 00-0235 SF 5/8" A36 Steel Plates For Bridge Repair	43.94	14.90
For A50 Grade, Add	1.41	
Cutting Fee For Plates 1/2" And Over, Add Per Each Peice	30.00	
For Fractured Critical, Add	20.00	
34 05 43 00-0236 SF 3/4" A36 Steel Plates For Bridge Repair	52.73	17.80
For A50 Grade, Add	1.70	
Cutting Fee For Plates 1/2" And Over, Add Per Each Peice	30.00	
For Fractured Critical, Add	20.00	
34 05 43 00-0237 SF 7/8" A36 Steel Plates For Bridge Repair	61.52	20.87
For A50 Grade, Add	1.98	
Cutting Fee For Plates 1/2" And Over, Add Per Each Peice	30.00	
For Fractured Critical, Add	20.00	
34 05 43 00-0238 SF 1" A36 Steel Plates For Bridge Repair	70.30	23.85
For A50 Grade, Add	2.26	
Cutting Fee For Plates 1/2" And Over, Add Per Each Peice	30.00	
For Fractured Critical, Add	20.00	
34 05 43 00-0239 CWT Removal Of Existing Steel For Bridge Repair A36	48.14	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
For Removal Over 30' To 50', Add	9.63	
For Removal Over 50' To 75', Add	16.85	
For Removal Over 75', Add	24.07	
34 05 43 00-0240 TON Removal Of Existing Steel For Bridge Repair A36	641.97	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
For Removal Over 30' To 50', Add	128.39	
For Removal Over 50' To 75', Add	224.69	
For Removal Over 75', Add	320.99	
34 05 43 00-0241 CWT Miscellaneous Steel For Bridge Repair A36	251.45	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
For A50 Grade Steel, Add	40.66	
Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
34 05 43 00-0242 TON Miscellaneous Steel For Bridge Repair A36	3,979.13	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
For A50 Grade Steel, Add	667.43	
Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
Cutting Fee For I-beams, Floor Beams And Plates Over 5'x5', Add Per Each Piece	30.00	
34 05 43 00-0243 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter	29.22	
Note: Per each hole drilled per steel member.		
34 05 43 00-0244 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter	37.91	
Note: Per each hole drilled per steel member.		
34 05 43 00-0245 EA Bolts A325 For Steel Repair Connections Up To 7/8"	20.49	1.66
34 05 43 00-0246 EA Bridge Girder Rivet Removal	257.52	
34 05 43 00-0247 LF Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	4.80	
Note: Includes rust or scale removal.		
34 05 43 00-0248 LF >1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting	8.70	
Note: Includes rust or scale removal.		
34 05 43 00-0249 LF >1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	12.58	
Note: Includes rust or scale removal.		
34 05 43 00-0250 LF >1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	16.48	
Note: Includes rust or scale removal.		
34 05 43 00-0251 LF >2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	20.38	
Note: Includes rust or scale removal.		
34 05 43 00-0252 LF >2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting	24.28	
Note: Includes rust or scale removal.		
34 05 43 00-0253 Galvanized Anchor Bolts For Bridge Bearings (34 05 43 00-0222)		
34 05 43 00-0254 EA 1/2" Diameter x 6" Long, J-Type A449 Anchor Bolt	7.00	
34 05 43 00-0255 EA 1/2" Diameter x 12" Long, J-Type A449 Anchor Bolt	9.98	
34 05 43 00-0256 EA 1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	12.05	
34 05 43 00-0257 EA 5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	13.81	
34 05 43 00-0258 EA 5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	16.91	
34 05 43 00-0259 EA 5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	19.03	
34 05 43 00-0260 EA 3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	18.95	
34 05 43 00-0261 EA 3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	21.68	
34 05 43 00-0262 EA 3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	26.47	
34 05 43 00-0263 EA 3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	32.03	
34 05 43 00-0264 EA 7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	25.03	
34 05 43 00-0265 EA 7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	29.46	
34 05 43 00-0266 EA 7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	37.48	
34 05 43 00-0267 EA 1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	30.96	
34 05 43 00-0268 EA 1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	36.86	
34 05 43 00-0269 EA 1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	45.54	
34 05 43 00-0270 EA 1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	56.05	
34 05 43 00-0271 EA 1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	37.06	
34 05 43 00-0272 EA 1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	44.16	
34 05 43 00-0273 EA 1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	54.63	
34 05 43 00-0274 EA 1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	67.21	
34 05 43 00-0275 EA 1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	44.64	
34 05 43 00-0276 EA 1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0277 EA 1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	65.95	
34 05 43 00-0278 EA 1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	81.06	
34 05 43 00-0279 EA 1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	54.12	
34 05 43 00-0280 EA 1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	64.60	
34 05 43 00-0281 EA 1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	80.10	
34 05 43 00-0282 EA 1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	98.38	
34 05 43 00-0283 Welding For Bridge Repair <small>(34 05 43 00-0222)</small>		
34 05 43 00-0284 EA Minimum Charge For Welding For Bridge Repair.....	973.78	
<small>Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.</small>		
34 05 43 00-0285 LF 3/16" Fillet Welding For Bridge Repair.....	11.52	
<small>For Full Penetration Weld, Add</small>		
	4.51	
34 05 43 00-0286 LF 1/4" Fillet Welding For Bridge Repair.....	17.28	
<small>For Full Penetration Weld, Add</small>		
	6.76	
34 05 43 00-0287 LF 5/16" Fillet Welding For Bridge Repair.....	23.06	
<small>For Full Penetration Weld, Add</small>		
	9.02	
34 05 43 00-0288 LF 3/8" Fillet Welding For Bridge Repair.....	28.81	
<small>For Full Penetration Weld, Add</small>		
	11.27	
34 05 43 00-0289 LF 7/16" Fillet Welding For Bridge Repair.....	34.31	
<small>For Full Penetration Weld, Add</small>		
	13.52	
34 05 43 00-0290 LF 1/2" Fillet Welding For Bridge Repair.....	40.03	
<small>For Full Penetration Weld, Add</small>		
	15.66	
34 05 43 00-0291 LF 9/16" Fillet Welding For Bridge Repair.....	46.89	
<small>For Full Penetration Weld, Add</small>		
	18.44	
34 05 43 00-0292 LF 5/8" Fillet Welding For Bridge Repair.....	51.65	
<small>For Full Penetration Weld, Add</small>		
	20.28	
34 05 43 00-0293 LF 3/4" Fillet Welding For Bridge Repair.....	70.92	
<small>For Full Penetration Weld, Add</small>		
	27.72	
34 05 43 00-0294 LF 7/8" Fillet Welding For Bridge Repair.....	93.68	
<small>For Full Penetration Weld, Add</small>		
	36.75	
34 05 43 00-0295 LF 1" Fillet Welding For Bridge Repair.....	129.82	
<small>For Full Penetration Weld, Add</small>		
	50.72	
34 05 43 00-0296 Spot Paint Reval And Painting, Bridge Structural Steel <small>(34 05 43)</small>		
34 05 43 00-0297 HR Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	80.00	
34 05 43 00-0298 EA Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	151.96	
34 05 43 00-0299 SF >4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	37.99	
34 05 43 00-0300 EA Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	193.48	
<small>Note: Includes HEPA vacuuming.</small>		
34 05 43 00-0301 SF >4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	48.37	
<small>Note: Includes HEPA vacuuming.</small>		
34 05 43 00-0302 CF Treat and Dispose of Removed Paint Waste.....	3.75	
34 05 43 00-0303 SF Flat Surfaces Spot Painting.....	40.14	
<small>Note: Includes 1 coat primer and 2 coats finish.</small>		
34 05 43 00-0304 EA Minimum Charge For Plastic Barrier Enclosure For Paint Removal.....	944.57	
<small>Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.</small>		
34 05 43 00-0305 SF Plastic Barrier Enclosure For Paint Removal.....	2.95	
<small>Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.</small>		
34 05 43 00-0306 Snow And Pedestrian Fences For Bridges <small>(34 05 43)</small>		
34 05 43 00-0307 Snow And Pedestrian Fence Assembly For Bridges <small>(34 05 43 00-0306)</small>		
<small>Note: Includes 1" 11 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' O.C. Posts exclude installation onto bridge. Heights indicated are for mesh to top.</small>		
34 05 43 00-0308 Galvanized Snow And Pedestrian Fence Assembly For Bridges <small>(34 05 43 00-0307)</small>		
34 05 43 00-0309 LF 4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	27.66	7.00
<small>For Posts 8' On Centers, Add</small>		
	1.58	
<small>For Posts 5' On Centers, Add</small>		
	6.03	
<small>For Up To 100, Add</small>		
	5.76	
<small>For >100 To 250, Add</small>		
	2.19	
34 05 43 00-0310 LF >4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	30.18	7.36
<small>For Posts 8' On Centers, Add</small>		
	1.71	
<small>For Posts 5' On Centers, Add</small>		
	6.53	
<small>For Up To 100, Add</small>		
	6.22	
<small>For >100 To 250, Add</small>		
	2.36	
34 05 43 00-0311 LF >5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	32.72	7.71
<small>For Posts 8' On Centers, Add</small>		
	1.85	
<small>For Posts 5' On Centers, Add</small>		
	7.04	
<small>For Up To 100, Add</small>		
	6.69	
<small>For >100 To 250, Add</small>		
	2.52	

34 Transportation
34 05 Common Work Results For Transportation
34 05 43 Common Work Results For Bridges



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0312	LF		>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	34.72	8.06
			<i>For Posts 8' On Centers, Add</i>	1.96	
			<i>For Posts 5' On Centers, Add</i>	7.46	
			<i>For Up To 100, Add</i>	7.07	
			<i>For >100 To 250, Add</i>	2.66	
34 05 43 00-0313	LF		>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	39.09	8.76
			<i>For Posts 8' On Centers, Add</i>	2.20	
			<i>For Posts 5' On Centers, Add</i>	8.35	
			<i>For Up To 100, Add</i>	7.88	
			<i>For >100 To 250, Add</i>	2.96	
34 05 43 00-0314 Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges <small>(34 05 43 00-0307)</small>					
34 05 43 00-0315	LF		4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	29.20	7.00
			<i>For Powder Coated, Add</i>	2.61	
			<i>For Aluminum Coated, Add</i>	5.22	
			<i>For Posts 8' On Centers, Add</i>	1.65	
			<i>For Posts 5' On Centers, Add</i>	6.31	
			<i>For Up To 100, Add</i>	6.00	
			<i>For >100 To 250, Add</i>	2.27	
34 05 43 00-0316	LF		>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	32.12	7.36
			<i>For Powder Coated, Add</i>	3.03	
			<i>For Aluminum Coated, Add</i>	6.06	
			<i>For Posts 8' On Centers, Add</i>	1.81	
			<i>For Posts 5' On Centers, Add</i>	6.88	
			<i>For Up To 100, Add</i>	6.51	
			<i>For >100 To 250, Add</i>	2.45	
34 05 43 00-0317	LF		>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	36.66	7.71
			<i>For Powder Coated, Add</i>	3.78	
			<i>For Aluminum Coated, Add</i>	7.56	
			<i>For Posts 8' On Centers, Add</i>	2.05	
			<i>For Posts 5' On Centers, Add</i>	7.75	
			<i>For Up To 100, Add</i>	7.28	
			<i>For >100 To 250, Add</i>	2.72	
34 05 43 00-0318	LF		>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	39.30	8.06
			<i>For Powder Coated, Add</i>	4.15	
			<i>For Aluminum Coated, Add</i>	8.29	
			<i>For Posts 8' On Centers, Add</i>	2.19	
			<i>For Posts 5' On Centers, Add</i>	8.28	
			<i>For Up To 100, Add</i>	7.75	
			<i>For >100 To 250, Add</i>	2.89	
34 05 43 00-0319	LF		>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	44.43	8.76
			<i>For Powder Coated, Add</i>	4.85	
			<i>For Aluminum Coated, Add</i>	9.70	
			<i>For Posts 8' On Centers, Add</i>	2.46	
			<i>For Posts 5' On Centers, Add</i>	9.31	
			<i>For Up To 100, Add</i>	8.68	
			<i>For >100 To 250, Add</i>	3.23	

34 05 43 00-0320 Bridge Connection Mounting For Snow And Pedestrian Fence Assembly (34 05 43 00-0307)

34 05 43 00-0321	EA		Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts.....	41.26	
			Note: Includes drilling into steel post.		
34 05 43 00-0322	EA		Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint.....	24.85	
34 05 43 00-0323	EA		Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint.....	58.94	
34 05 43 00-0324	EA		Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts.....	64.30	
			Note: Includes drilling into steel post.		
34 05 43 00-0325	EA		Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts.....	87.58	
			Note: Includes drilling into steel post.		

34 10 Guideways/Railways (34)

34 11 Rail Tracks (34 10)

34 11 93 Track Appurtenances And Accessories (34 11)

34 11 93 00-0001 Railroad Crossings (34 11 93)

34 11 93 00-0002 Asphalt Railroad Crossings (34 11 93 00-0001)

Note: Based on 8" thickness x 20' including track and approach.

34 11 93 00-0003	EA		8" Asphalt Railroad Crossing, 12' Roadway 6 CY.....	1,585.12	251.95
34 11 93 00-0004	EA		8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY.....	1,863.80	285.54
34 11 93 00-0005	EA		8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY.....	2,200.09	335.93
34 11 93 00-0006	EA		8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY.....	2,613.16	403.12
34 11 93 00-0007	EA		8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY.....	3,160.60	503.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 93 00-0008 Railroad Crossings - Precast Concrete Inserts (34 11 93 00-0001)		
Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0009 EA Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge.....	3,924.86	118.48
34 11 93 00-0010 EA Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge.....	4,906.07	143.86
34 11 93 00-0011 EA Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge.....	5,883.08	177.72
34 11 93 00-0012 EA Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge.....	6,861.18	203.10
34 11 93 00-0013 EA Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge.....	7,838.60	236.96
34 11 93 00-0014 Molded Rubber Railroad Crossings With Headers (34 11 93 00-0001)		
Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0015 EA Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers.....	2,900.03	118.48
34 11 93 00-0016 EA Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers.....	3,437.37	143.86
34 11 93 00-0017 EA Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers.....	3,970.52	177.72
34 11 93 00-0018 EA Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers.....	4,504.75	203.10
34 11 93 00-0019 EA Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers.....	5,038.31	236.96
34 11 93 00-0020 Other Railroad Trackage Demolition (34 11 93)		
34 11 93 00-0021 LF Remove And Re-Install Tie And Track With New Bolts And Spikes.....	71.66	
34 11 93 00-0022 CY Remove Railroad Track Ballast.....	6.90	
34 11 93 00-0023 EA Remove Railroad Track Turnouts Re-install With New Bolts And Spikes.....	3,524.92	
34 11 93 00-0024 LF Remove Track And Spikes.....	21.58	
34 11 93 00-0025 EA Remove/Dispose Of Concrete Post Footings.....	100.89	
34 11 93 00-0026 EA Backfill Holes From Post Removal.....	42.00	
34 40 Transportation Signaling and Control Equipment (34)		
34 41 Roadway Signaling and Control Equipment (34 41)		
34 41 13 Traffic Signals (34 41)		
34 41 13 00-0001 Traffic Signals (34 41 13)		
34 41 13 00-0002 EA Single Traffic Signal Head, 4 Way Pattern.....	4,808.18	561.94
34 41 13 00-0003 EA Traffic Signal Loops, Per Loop.....	326.93	
Note: Includes saw cutting, sealing and splicing into leads in street.		
34 41 13 00-0004 Overhead Traffic Signals (34 41 13)		
34 41 13 00-0005 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	3,432.60	749.25
34 41 13 00-0006 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	3,526.05	749.25
34 41 13 00-0007 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	3,652.48	749.25
34 41 13 00-0008 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	647.96	164.45
34 41 13 00-0009 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	702.93	164.45
34 41 13 00-0010 EA Optical Detector For Mast Arm Mounting, 2 Channel.....	883.23	164.45
34 41 13 00-0011 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	647.96	164.45
34 41 13 00-0012 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	702.93	164.45
34 41 13 00-0013 EA Optical Detector For Pole-Side Mounting, 2 Channel.....	883.23	164.45
34 41 13 00-0014 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	647.96	164.45
34 41 13 00-0015 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	702.93	164.45
34 41 13 00-0016 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	883.23	164.45
34 41 13 00-0017 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	647.96	164.45
34 41 13 00-0018 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	702.93	164.45
34 41 13 00-0019 EA Optical Detector For Span Wire Mounting, 2 Channel.....	883.23	164.45
34 41 13 00-0020 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	647.96	164.45
34 41 13 00-0021 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	702.93	164.45
34 41 13 00-0022 EA Optical Detector For Signal Top Mounting, 2 Channel.....	883.23	164.45
34 41 13 00-0023 EA Phase Selector, 2 Channel.....	1,882.61	20.56
34 41 13 00-0024 EA Phase Selector, 4 Channel.....	2,921.54	20.56
34 41 13 00-0025 EA Malfunction Management Unit For Use With NEMA Controller.....	961.75	41.11
34 41 13 00-0026 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	961.75	41.11
34 41 13 00-0027 EA Time Switch, 1-Circuit.....	135.41	24.67
34 41 13 00-0028 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	194.27	10.27
34 41 13 00-0029 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	252.53	10.27
34 41 13 00-0030 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	356.98	10.27
34 41 13 00-0031 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	447.13	10.27
34 41 13 00-0032 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	1,205.71	10.27
34 41 13 00-0033 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	1,205.71	10.27
34 41 13 00-0034 EA Power Line Surge Protector.....	113.91	6.16
34 41 13 00-0035 EA Loop Detector Surge Protector.....	59.45	6.16
34 41 13 00-0036 EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	7,607.49	1,053.62
34 41 13 00-0037 EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	8,234.15	1,053.62
34 41 13 00-0038 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	8,987.24	1,053.62
34 41 13 00-0039 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	9,218.11	1,053.62
34 41 13 00-0040 EA Speed Limit Beacon Control Option.....	3,310.44	280.96
34 41 13 00-0041 EA Speed Limit Beacon Control Cabinet.....	3,872.36	561.94
34 41 13 00-0042 EA Remote Detector Cabinet.....	2,168.29	561.94
34 41 13 00-0043 EA Traffic Signal Hand Control.....	572.10	93.65

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044 EA Load Switch	55.22	6.16
34 41 13 00-0045 EA Extra Pedestrian Detector Isolation Assembly	462.16	93.65
34 41 13 00-0046 EA Fiber Optic Transceivers-Repeter Module	713.35	164.45
34 41 13 00-0047 EA Field Transceiver-Repeater	333.13	41.11
34 41 13 00-0048 EA 30" Pedestal With Base Plate And Cover	486.83	82.68
34 41 13 00-0049 EA 42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	566.91	86.44
34 41 13 00-0050 EA 8" Pedestal With Base Plate And Cover.....	705.77	96.97
34 41 13 00-0051 EA 11" Pedestal With Base Plate And Cover.....	784.52	105.24
34 41 13 00-0052 EA 15" Pedestal With Base Plate And Cover.....	875.05	125.54
34 41 13 00-0053 EA 16" Pedestal With Base Plate And Cover.....	920.86	125.54
34 41 13 00-0054 EA Vehicle Signal Face, 1 - 12" Section.....	349.87	119.41
34 41 13 00-0055 EA Vehicle Signal Face, 2 - 12" Sections.....	555.94	168.58
34 41 13 00-0056 EA Vehicle Signal Face, 3 - 12" Sections.....	763.89	206.05
34 41 13 00-0057 EA Vehicle Signal Face, 3 - 12" Sections, Middle Section Blank	730.91	206.05
34 41 13 00-0058 EA Vehicle Signal Face, 4 - 12" Sections.....	953.64	229.46
34 41 13 00-0059 EA Vehicle Signal Face, 5 - 12" Sections.....	1,124.66	243.50
34 41 13 00-0060 EA Vehicle Signal Face, 5 - 12" Sections, Cluster.....	1,188.43	243.50
34 41 13 00-0061 EA Vehicle Signal Face, 1 - 8" Section	333.38	119.41
34 41 13 00-0062 EA Vehicle Signal Face, 2 - 8" Sections	522.96	168.58
34 41 13 00-0063 EA Vehicle Signal Face, 3 - 8" Sections	683.63	206.05
34 41 13 00-0064 EA Vehicle Signal Face, 2 - 8" Sections, 1 - 12" Section.....	724.31	206.05
34 41 13 00-0065 EA Vehicle Signal Face, 2 - 8" Sections, 2 - 12" Sections.....	883.28	229.46
34 41 13 00-0066 EA Vehicle Signal Face, 3 - 8" Sections, 1 - 12" Section.....	860.19	229.46
34 41 13 00-0067 EA Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections.....	1,003.73	243.50
34 41 13 00-0068 EA Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,055.40	243.50
34 41 13 00-0069 EA Vehicle Signal Face, 3 - 12" Sections, Optically Programmed.....	1,445.52	206.05
34 41 13 00-0070 EA Vehicle Signal Face, 4 - 12" Sections, Optically Programmed.....	1,869.44	229.46
34 41 13 00-0071 EA Vehicle Signal Face, 5 - 12" Sections, Optically Programmed.....	2,410.96	243.50
34 41 13 00-0072 EA Vehicle Signal Face, 5 - 12" Sections In Cluster, Optically Programmed.....	2,603.35	243.50
34 41 13 00-0073 EA Bracket Signal Mounting Assembly.....	325.83	93.65
34 41 13 00-0074 EA Mast Arm Signal Mounting Assembly	587.90	187.31
34 41 13 00-0075 EA Top Pole Signal Mounting Assembly	208.65	70.24
34 41 13 00-0076 EA Pedestrian Signal Head.....	577.80	140.49
34 41 13 00-0077 EA Pedestrian Signal Insert.....	348.28	70.24
34 41 13 00-0078 EA Audible Pedestrian Signal.....	896.18	
34 41 13 00-0079 EA Junction Box, Pole Or Post Mounted	360.25	
34 41 13 00-0080 EA Pedestrian Push Button	327.63	
34 41 13 00-0081 EA Illuminated Sign, Bracket Mounted, Symbolic.....	2,600.53	
34 41 13 00-0082 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,717.09	
34 41 13 00-0083 EA Sign, Message, "BLANK OUT", Bracket Mounted	2,858.84	
34 41 13 00-0084 EA Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,041.62	
34 41 13 00-0085 EA Sign, Fiber Optic, Bracket Mounted	3,250.51	
34 41 13 00-0086 EA Sign, Fiber Optic, Mast Arm Mounted.....	3,437.14	
34 41 13 00-0087 EA 30" Type 15TS Signal And Lighting Standard	4,873.43	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0088 EA 35" Type 21TS Signal And Lighting Standard	5,661.43	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0089 EA 17" Type 18-2-100 Signal And Lighting Standard.....	2,739.50	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0090 EA 17" Type 18-3-100 Signal And Lighting Standard.....	3,043.74	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0091 EA 17" Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	3,160.37	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0092 EA 17" Type 23-3-100 Signal And Lighting Standard.....	3,160.37	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0093 EA 17" Type 23-4-100 Signal And Lighting Standard.....	3,221.60	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0094 EA 17" Type 27-3-100 Signal And Lighting Standard.....	3,527.76	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0095 EA 17" Type 27-4-100 Signal And Lighting Standard.....	3,598.16	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0096 EA 17" Type 28-5-100 Signal And Lighting Standard.....	3,742.51	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0097 EA 17" Type 60-5-100 Signal And Lighting Standard.....	3,969.87	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0098 EA 18"-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	2,918.48	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0099 EA 30" Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	5,192.89	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0100 EA 30" Type 19-2-100 Signal And Lighting Standard.....	5,831.80	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0101 EA 30" Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	6,076.72	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0102 EA 30" Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	6,076.72	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0103 EA 30" Type 26-3-100 Signal And Lighting Standard.....	6,848.21	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0104 EA 30" Type 26-4-100 Signal And Lighting Standard.....	7,143.95	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0105 EA 30" Type 29-5-100 Signal And Lighting Standard.....	7,454.46	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0106 EA 30" Type 61-5-100 Signal And Lighting Standard.....	7,943.55	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0107 EA 35' Type 17A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,036.15	
34 41 13 00-0108 EA 35' Type 19A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	6,781.55	
34 41 13 00-0109 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,067.29	
34 41 13 00-0110 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,067.29	
34 41 13 00-0111 EA 35' Type 26A-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	7,967.35	
34 41 13 00-0112 EA 35' Type 26A-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,312.38	
34 41 13 00-0113 EA 35' Type 29A-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	8,674.66	
34 41 13 00-0114 EA 35' Type 61A-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,245.24	
34 41 13 00-0115 EA 15' Steel Straight Mast Arm, MONOTUBE.....	2,019.93	
34 41 13 00-0116 EA 20' Steel Straight Mast Arm, MONOTUBE.....	2,121.58	
34 41 13 00-0117 EA 25' Steel Straight Mast Arm, MONOTUBE.....	2,270.11	
34 41 13 00-0118 EA 30' Steel Straight Mast Arm, MONOTUBE.....	3,055.34	
34 41 13 00-0119 EA 35' Steel Straight Mast Arm, MONOTUBE.....	3,674.71	
34 41 13 00-0120 EA 40' Steel Straight Mast Arm, MONOTUBE.....	3,943.87	
34 41 13 00-0121 EA 45' Steel Straight Mast Arm, MONOTUBE.....	4,338.25	
34 41 13 00-0122 EA 50' Steel Straight Mast Arm, MONOTUBE.....	4,924.07	
34 41 13 00-0123 EA 55' Steel Straight Mast Arm, MONOTUBE.....	5,610.42	
34 41 13 00-0124 EA 60' Steel Straight Mast Arm, MONOTUBE.....	6,063.93	
34 41 13 00-0125 EA 65' Steel Straight Mast Arm, MONOTUBE.....	7,034.52	
34 41 13 00-0126 EA 4' Steel Curved Luminaire Mast Arm.....	693.03	
For High Rise Arm, Add	56.89	
For High Rise Straight Arm, Add	45.51	
34 41 13 00-0127 EA 6' Steel Curved Luminaire Mast Arm.....	900.43	
For High Rise Arm, Add	76.06	
For High Rise Straight Arm, Add	60.85	
34 41 13 00-0128 EA 8' Steel Curved Luminaire Mast Arm.....	1,126.55	
For High Rise Arm, Add	95.23	
For High Rise Straight Arm, Add	76.18	
34 41 13 00-0129 EA 10' Steel Curved Luminaire Mast Arm.....	1,549.36	
For High Rise Arm, Add	111.96	
For High Rise Straight Arm, Add	89.57	
34 41 13 00-0130 EA 12' Steel Curved Luminaire Mast Arm.....	1,709.13	
For High Rise Arm, Add	132.04	
For High Rise Straight Arm, Add	105.63	
34 41 13 00-0131 EA 15' Steel Curved Luminaire Mast Arm.....	1,784.65	
For High Rise Arm, Add	147.26	
For High Rise Straight Arm, Add	117.80	
34 41 13 00-0132 EA 20' Steel Curved Luminaire Mast Arm.....	2,026.25	
For High Rise Arm, Add	175.85	
34 41 13 00-0133 EA 15' Tubular Aluminum Post.....	733.72	
34 41 13 00-0134 EA 17' Tubular Aluminum Post.....	782.14	
34 41 13 00-0135 EA 20' Tubular Aluminum Post.....	870.30	
34 41 13 00-0136 EA CUT-OFF POLE AND CAPPED.....	127.05	
34 41 13 00-0137 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	37.99	
34 41 13 00-0138 EA PAINT EXISTING TS POST COMPLETE.....	180.08	
34 41 13 00-0139 EA 1 Channel Loop Detector Amp.....	1,092.27	
34 41 13 00-0140 EA 4 Channel Loop Detector Amp.....	2,060.84	
34 41 13 00-0141 LF Detector Loop.....	21.16	
Note: Includes Saw Cutting, Sealing And Splicing Into Leads In Street.		
34 41 13 00-0142 LF Detector Loop Cable (Lead Wire).....	19.68	
34 41 13 00-0143 LF Detector Loop Cable, Loop Type B.....	14.72	
34 41 13 00-0144 EA FLASHING BEACON WITH DOWNLIGHT.....	1,567.77	
34 41 13 00-0145 EA Flashing Beacon, Bracket Mounted.....	542.21	
34 41 13 00-0146 EA Flashing Beacon, Mast Arm Mounted.....	542.21	
34 41 13 00-0147 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	13,828.25	
34 41 13 00-0148 LF LEAD-IN CABEL: ACCUWAVE/RTMS DET.....	5.92	
34 41 13 00-0149 LF CABLE IN CONDUIT, #14, 2/C SHIELDED.....	3.95	
34 41 13 00-0150 LF CABLE IN CONDUIT, #4, 2/C.....	6.08	
34 41 13 00-0151 LF CABLE IN CONDUIT, #12, 7/C.....	6.18	
34 41 13 00-0152 LF CABLE IN CONDUIT, #12, 10/C.....	7.10	
34 41 13 00-0153 LF CABLE IN CONDUIT, #12, 19/C.....	8.92	
34 41 13 00-0154 EA TERMINATIONS #12, 7/C.....	125.42	
34 41 13 00-0155 EA SPLICE CABLES IN MH, #12, 7/C.....	326.04	
34 41 13 00-0156 EA CIRCUIT BREAKER - 2 Phase, 240 Volt.....	264.64	
34 41 13 00-0157 LF HARNESS CABLE, #16, 8/C.....	5.19	
34 41 13 00-0158 LF CABLE, T.S., AERIAL, TEMP.....	7.11	
34 41 13 00-0159 EA 7-WIRE MASTER INTERCONNECT.....	996.21	
34 41 13 00-0160 EA 7-WIRE SLAVE INTERCONNECT.....	955.64	
34 41 13 00-0161 LF F.O. HYBRID CABLE, IN CONDUIT.....	6.02	
34 41 13 00-0162 LF INNERDUCT IN CONDUIT, 1-1/4".....	4.49	
For 2 Pulled At Same Time, Deduct	-1.69	
For >2 Pulled At Same Time, Deduct	-2.26	
34 41 13 00-0163 EA CABLE IN CONDUIT, With STEEL CONNECTION.....	7.57	
34 41 13 00-0164 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,025.20	
34 41 13 00-0165 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,097.22	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0166 EA Smart Sensor HD (Wavetronix HD125)	5,749.95	
34 41 13 00-0167 EA Access Point (Sensys AP240-ES)	2,670.07	
Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0168 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	4,606.04	
34 41 13 00-0169 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	173.83	
34 41 13 00-0170 EA Repeater (Sensys RP240-B-LL)	1,224.15	
Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0171 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)	563.75	
Note: Excludes coring.		
34 41 13 00-0172 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	1,419.16	
34 41 13 00-0173 LF Signal Cable, 2-Conductor, A.W.G. #16	1.19	0.52
34 41 13 00-0174 LF Signal Cable, 3-Conductor, A.W.G. #16	1.33	0.56
34 41 13 00-0175 LF Signal Cable, 4-Conductor, A.W.G. #16	1.47	0.60
34 41 13 00-0176 LF Signal Cable, 5-Conductor, A.W.G. #16	1.59	0.64
34 41 13 00-0177 LF Signal Cable, 6-Conductor, A.W.G. #16	1.75	0.67
34 41 13 00-0178 LF Signal Cable, 8-Conductor, A.W.G. #16	2.02	0.75
34 41 13 00-0179 LF Signal Cable, 12-Conductor, A.W.G. #16	2.72	0.97
34 41 13 00-0180 LF Signal Cable, 16-Conductor, A.W.G. #16	3.20	1.09
34 41 13 00-0181 LF Signal Cable, 20-Conductor, A.W.G. #16	3.77	1.20
34 41 13 00-0182 LF Signal Cable, 2-Conductor, A.W.G. #14	1.23	0.52
34 41 13 00-0183 LF Signal Cable, 3-Conductor, A.W.G. #14	1.38	0.56
34 41 13 00-0184 LF Signal Cable, 4-Conductor, A.W.G. #14	1.53	0.60
34 41 13 00-0185 LF Signal Cable, 5-Conductor, A.W.G. #14	1.67	0.64
34 41 13 00-0186 LF Signal Cable, 6-Conductor, A.W.G. #14	1.84	0.67
34 41 13 00-0187 LF Signal Cable, 8-Conductor, A.W.G. #14	2.15	0.75
34 41 13 00-0188 LF Signal Cable, 12-Conductor, A.W.G. #14	2.91	0.97
34 41 13 00-0189 LF Signal Cable, 16-Conductor, A.W.G. #14	3.45	1.09
34 41 13 00-0190 LF Signal Cable, 20-Conductor, A.W.G. #14	4.11	1.20
34 41 13 00-0191 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,077.91	1.20
34 41 13 00-0192 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,303.07	1.20
34 41 13 00-0193 EA Pole Base Foundation for Type 15 and 21 Poles.....	3,203.60	1.20
34 41 13 00-0194 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,077.91	1.20
34 41 13 00-0195 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	5,303.07	1.20
34 41 13 00-0196 EA Service Equipment Enclosure, Type III-AF	745.46	
34 41 13 00-0197 EA 12", 3 Section Signal, Mast Arm Mounted.....	1,022.38	
34 41 13 00-0198 EA 8", 3 Section Signal, Mast Arm Mounted.....	913.49	
34 41 13 00-0199 EA 12" FCV Visor	55.24	
34 41 13 00-0200 EA 8" FCV Visor	40.58	
34 41 13 00-0201 EA Eggcrate Visor	53.43	
34 41 13 00-0202 EA Pedestrian H/M.....	638.79	
34 41 13 00-0203 EA Pedestrian Audio.....	692.80	
34 41 13 00-0204 EA Adjustable Pushbutton.....	186.01	
34 41 13 00-0205 EA ADA Cap And Switch	226.36	
34 41 13 00-0206 EA 3 Section 12" Backplate.....	91.30	
34 41 13 00-0207 EA 3 Section 12" MAS Mount Backplate	134.76	
34 41 13 00-0208 EA 3 Section 8" Backplate.....	74.47	
34 41 13 00-0209 EA 12" Red LED Lenses.....	153.20	
34 41 13 00-0210 EA 12" Amber LED Lenses.....	163.28	
34 41 13 00-0211 EA 12" Green LED Lenses	273.96	
34 41 13 00-0212 EA 12" Red Arrow.....	152.38	
34 41 13 00-0213 EA 12" Amber Arrow.....	144.99	
34 41 13 00-0214 EA 12" Green Arrow	209.73	
34 41 13 00-0215 EA 8" Red	150.89	
34 41 13 00-0216 EA 8" Amber	145.43	
34 41 13 00-0217 EA 8" Green.....	172.35	
34 41 13 00-0218 EA Hand/Man	257.70	
34 41 13 00-0219 EA Frameworks, 8" TV-1-T.....	314.73	
34 41 13 00-0220 EA Frameworks, 8" TV-2-T.....	353.92	
34 41 13 00-0221 EA Frameworks, MAT MT	96.38	
34 41 13 00-0222 EA Frameworks, MAS MT	104.21	
34 41 13 00-0223 EA Frameworks, 3W PT TC	211.17	
34 41 13 00-0224 EA Frameworks, 2W PT TC	209.00	
34 41 13 00-0225 EA Frameworks, 2W SM TC.....	198.55	
34 41 13 00-0226 EA Frameworks, SV-1	133.45	
34 41 13 00-0227 EA Frameworks, TV-1	129.54	
34 41 13 00-0228 EA Type III Service Pedestal	2,378.92	
34 41 13 00-0229 EA Single Fuse Holder	25.68	
34 41 13 00-0230 EA Double Fuse Holder	58.58	
34 41 13 00-0231 EA Pullbox, 1-1/2" x 20" x 14".....	59.73	
34 41 13 00-0232 EA Pullbox, 5" x 28" x 18".....	79.44	
34 41 13 00-0233 EA Pullbox, 6" x 36" x 23".....	102.83	
34 41 13 00-0234 EA Pullbox Lids, FL9D.....	58.22	
34 41 13 00-0235 EA Pullbox Lids, FL30D.....	106.24	
34 41 13 00-0236 EA Pullbox Lids, FL36D.....	29.00	
34 41 13 00-0237 EA LED Enhanced Pedestrian Crossing Symbol Sign.....	1,018.77	75.17
Note: 2 required per system.		
34 41 13 00-0238 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System.....	3,001.04	451.03
Note: 4 required per system.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0239 EA Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	9,905.50	300.69
34 41 13 00-0240 EA Power Control Unit With Enclosure (A/C)	6,407.38	300.69
34 41 13 00-0241 EA Push Button Assembly With Sign	627.28	150.34
34 41 13 00-0242 EA Advanced Warning Signs.....	1,164.33	150.34
34 41 13 00-0243 EA 14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	2,435.26	
34 41 13 00-0244 EA 21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	3,692.80	
34 41 13 00-0245 EA 22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	3,834.78	
34 41 13 00-0246 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm..... Note: For mast arm and luminare arm.	5,189.55	
34 41 13 00-0247 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	5,477.70	
34 41 13 00-0248 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	4,297.72	
34 41 13 00-0249 EA 30' High Galvanized Steel Traffic Signal Pole, Octafute	3,835.40	
34 41 13 00-0250 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered	3,136.15	
34 41 13 00-0251 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	12,959.99	
34 41 13 00-0252 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	15,045.54	
34 41 13 00-0253 School Zone Flasher Beacons (34 41 13)		
34 41 13 00-0254 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	2,996.38	139.73
34 41 13 00-0255 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,017.27	139.73
34 41 13 00-0256 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,371.85	139.73
34 41 13 00-0257 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,438.68	139.73
34 41 13 00-0258 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	6,261.29	139.73
34 41 13 00-0259 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,523.20	139.73
34 41 13 00-0260 Traffic Light Control Synchronization (34 41 13)		
34 41 13 00-0261 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	2,622.85	
34 41 13 00-0262 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	1,977.17	
34 41 13 00-0263 EA ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	4,668.15	
34 41 13 00-0264 EA 5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	3,130.48	
34 41 13 00-0265 EA 2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	3,130.48	
34 41 13 00-0266 EA Solar Cabinet Assembly	8,654.15	
34 41 13 00-0267 EA Data Controller Interface Cable Assembly	356.96	
34 41 13 00-0268 EA 900 MHZ Splitter.....	395.43	
34 41 13 00-0269 EA 900 MHz Surge Suppressor.....	140.32	
34 41 13 00-0270 EA Surge-Radio Lead in Cable.....	88.16	
34 41 13 00-0271 EA 12DB GAIN YAGI Antenna.....	422.87	
34 41 13 00-0272 EA PELCO Antenna Mounting Bracket	295.45	
34 41 13 00-0273 MLF Coaxial Cable, LMR-400.....	2,142.97	
34 41 13 00-0274 EA Perle 16 Port Serial Server.....	2,472.30	
34 41 13 00-0275 EA Serial to Ethernet Card	1,224.71	
34 41 13 00-0276 EA 404 Stand Alone Modem (GDI 404).....	1,081.96	
34 41 13 00-0277 Traffic Signal Controls (34 41 13)		
34 41 13 00-0278 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	983.36	
34 41 13 00-0279 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	379.21	
34 41 13 00-0280 EA AccessBox for contract closure master card (CC-ACC)	135.68	
34 41 13 00-0281 EA Flush Mount Wireless Sensor (ATT VSN240-F)	526.03	
34 41 13 00-0282 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	526.03	
34 41 13 00-0283 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	81.79	
34 41 13 00-0284 EA SNAPS License for each enabled AP (SNAPS-PER-AP).....	219.62	
34 41 16 Traffic Control Equipment (34 41)		
34 41 16 00-0001 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	6,821.05	
34 41 16 00-0002 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,895.62	
34 41 16 00-0003 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,407.40	
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	9,993.99	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0005 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	8,222.93	
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	9,116.99	
34 41 16 00-0007 EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	15,017.86	
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	15,983.71	
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	22,873.77	
34 41 16 00-0010 EA CONTROLLER, TS, 16-BAY, "P" CABINET.....	18,115.03	
34 41 16 00-0011 EA CONTROLLER, TS, POST-MTD, TEMP.....	2,911.84	
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	532.58	
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	548.90	
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION.....	228.53	
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	415.55	
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	7,613.11	
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	18,418.31	
34 41 16 00-0018 EA F.O. STAR MODEM.....	6,034.61	

34 70 Transportation Construction And Equipment ⁽³⁴⁾**34 71 Roadway Construction ^(34 70)****34 71 13 Vehicle Barriers ^(34 71)****34 71 13 13 Vehicle Median Barriers ^(34 71 13)****34 71 13 13-0001 Concrete Median Barrier ^(34 71 13 13)**

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	49.08	2.99
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	52.15	2.99
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	56.52	2.99
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	33.44	4.27
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	28.35	2.43

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)**34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)****34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)**

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	472.84	38.29
Note: Includes containers, inserts, and lid.		
34 71 13 16-0004 EA 1400 LB Sand Barrel.....	442.34	44.94
Note: Includes containers, inserts, and lid.		
34 71 13 16-0005 EA 2100 LB Sand Barrel.....	477.81	51.60
Note: Includes containers, inserts, and lid.		

34 71 13 16-0006 Sand For Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

34 71 13 16-0007 LB Sand for Sand Barrels.....	0.08	
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34 71 13 26 Vehicle Guide Rails ^(34 71 13)**34 71 13 26-0001 Corrugated Beam Guide Rail ^(34 71 13 26)****34 71 13 26-0002 Corrugated Beam Guide Railing ^(34 71 13 26-0001)****34 71 13 26-0003 Corrugated Beam Guide Railing, Straight Sections ^(34 71 13 26-0002)**

Note: Add additional length for back-up sections.

34 71 13 26-0004 LF Corrugated Beam Guide Railing.....	6.46	1.60
34 71 13 26-0005 LF Corrugated Beam Guide Railing (Rustic).....	6.11	1.60

34 71 13 26-0006 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0002)

Note: Add additional length for back-up sections.

34 71 13 26-0007 LF Shop Curved Corrugated Beam Guide Railing.....	7.99	1.60
34 71 13 26-0008 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	7.68	1.60
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing End.....	18.26	1.60
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	17.22	1.60
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		

34 71 13 26-0011 Corrugated Beam Guide Railing, Manufactured End Sections ^(34 71 13 26-0001)

34 71 13 26-0012 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	57.06	21.14
34 71 13 26-0013 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	59.14	21.14
34 71 13 26-0014 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	69.58	21.14
34 71 13 26-0015 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	71.66	21.14
34 71 13 26-0016 EA Corrugated Beam Guide Railing 225 Degree End Section.....	69.58	21.14
34 71 13 26-0017 EA Corrugated Rustic Beam Guide Railing 225 Degree End Section.....	71.66	21.14

34 71 13 26-0018 Corrugated Beam Guide Rail End Terminal Systems ^(34 71 13 26-0001)

Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0019 EA Regent Flared End Terminal Head With Bracket, Type B & C.....	1,386.37	139.97
34 71 13 26-0020 EA Fleat Flared End Terminal Head With Bracket.....	1,177.72	139.97
34 71 13 26-0021 EA SKT 350 Tangent End Terminal Head With Bracket.....	1,386.37	139.97
34 71 13 26-0022 EA 12'-6" Corrugated Beam Pre-drilled #1 Panel.....	244.46	65.98
34 71 13 26-0023 EA Terminal Support System, Type SFT.....	604.27	176.43
34 71 13 26-0024 EA Terminal Support System, Type ET.....	2,727.68	499.33
34 71 13 26-0025 EA Terminal Support System, Type SRT.....	2,931.26	499.33
34 71 13 26-0026 Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware.		
34 71 13 26-0027 EA Standard Post For Corrugated Beam Guide Rail.....	47.38	10.51
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.80	
34 71 13 26-0028 EA Standard Post For (Rustic) Corrugated Beam Guide Rail.....	49.47	10.51
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.80	
34 71 13 26-0029 EA Extra Long Post for Corrugated Beam Guide Rail.....	51.56	10.51
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.80	
34 71 13 26-0030 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	53.64	10.51
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.80	
34 71 13 26-0031 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	47.38	10.51
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.80	
34 71 13 26-0032 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	64.08	10.51
For Installation In Rock, Add	2.80	
34 71 13 26-0033 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0034 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide.....	47.38	10.51
34 71 13 26-0035 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide.....	49.47	10.51
34 71 13 26-0036 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	51.56	10.51
34 71 13 26-0037 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	53.64	10.51
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0038 EA Type A Post 1630mm Post.....	46.34	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039 EA Type A Post 1630mm Post (Rustic).....	48.43	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040 EA Type B Post 1460mm.....	44.25	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041 EA Type B Post 1460mm (Rustic).....	46.34	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042 EA Type C Post 1290mm.....	42.17	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043 EA Type C Post 1290mm (Rustic).....	44.25	10.51
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044 EA Breakaway Wood Or Steel Post In Steel Foundation Tube.....	152.04	10.51
34 71 13 26-0045 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	24.43	10.51
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0046 Corrugated Beam Guide Rail Accessories (34 71 13 26-0001)		
34 71 13 26-0047 EA Triangular Mounting Brackets (Galvanized or rustic) For All Post Types A, B And C.....	52.88	24.02
34 71 13 26-0048 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0001)		
Note: Includes associated hardware.		
34 71 13 26-0049 LF Remove And Store Corrugated Beam Guide Railing And Post.....	9.39	
34 71 13 26-0050 EA Install Stored Post For Corrugated Beam Guide Rail.....	32.02	
34 71 13 26-0051 LF Install Stored Corrugated Beam Guide Railing And Post.....	5.45	
34 71 13 26-0052 Corrugated Thrie Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0053 Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0052)		
Note: Add additional length for back-up sections.		
34 71 13 26-0054 LF Corrugated Thrie Beam Guide Railing.....	13.34	2.02
34 71 13 26-0055 LF Corrugated Thrie Beam Guide Railing (Rustic).....	13.98	2.02
34 71 13 26-0056 Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0052)		
Note: Add additional length for back-up sections.		
34 71 13 26-0057 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	15.89	2.02
34 71 13 26-0058 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.52	2.02
34 71 13 26-0059 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0052)		
Note: Includes hardware for mounting.		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0060 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	48.59	2.02
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0061 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	50.68	2.02
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0062 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0063 Timber Guide Rail Posts (34 71 13 26-0062)		
34 71 13 26-0064 EA 6" x 8" Timber Guide Rail Post.....	59.95	8.01
34 71 13 26-0065 EA 6" x 9" Timber Guide Rail Post.....	67.90	8.01
34 71 13 26-0066 EA 10" x 10" Timber Guide Rail Post.....	130.20	8.01
34 71 13 26-0067 EA 10" x 12" Timber Guide Rail Post.....	137.63	8.01
34 71 13 26-0068 EA 12" x 12" Timber Guide Rail Post.....	158.81	8.01
34 71 13 26-0069 Timber Guide Rails (34 71 13 26-0062)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0070 LF 4" x 9" Timber Guide Rail.....	7.43	0.96
34 71 13 26-0071 LF 6" x 10" Timber Guide Rail.....	10.29	0.96
34 71 13 26-0072 LF 6" x 12" Timber Guide Rail.....	11.97	0.96
34 71 13 26-0073 Spacer Blocks For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0074 EA 4" x 9" Spacer Block For Timber Guide Rails.....	9.68	1.28
34 71 13 26-0075 EA 6" x 8" Spacer Block For Timber Guide Rails.....	11.05	1.28
34 71 13 26-0076 EA 8" x 8" Spacer Block For Timber Guide Rails.....	12.80	1.28
34 71 13 26-0077 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0078 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.06	0.80
34 71 13 26-0079 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0080 EA Weathering Steel Splice Plate For Timber Guide Rails.....	93.23	11.21
34 71 13 26-0081 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails	58.89	8.01
34 71 13 26-0082 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0083 Cable Guide Rail (34 71 13 26-0082)		
34 71 13 26-0084 LF Cable (Each Cable).....	4.09	1.73
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0085 EA Cable Splice With Wedges	78.61	12.01
34 71 13 26-0086 Cable Guide Rail Posts (34 71 13 26-0082)		
Note: Includes hardware for cable mounting.		
34 71 13 26-0087 EA Standard Post for Cable Guide Rail	77.98	35.01
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.34	
34 71 13 26-0088 EA Standard Post (Rustic) for Cable Guide Rail.....	80.06	35.01
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.34	
34 71 13 26-0089 EA Extra Long Post for Cable Guide Rail	80.06	35.01
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.34	
34 71 13 26-0090 EA Extra Long Post (Rustic) for Cable Guide Rail.....	82.15	35.01
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.34	
34 71 13 26-0091 EA Slip Impact Post Top for Anchor Unit.....	43.72	14.00
34 71 13 26-0092 EA Slip Impact Post Base and Keeper Plate	95.88	14.00
Note: For anchor unit.		
34 71 13 26-0093 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0082)		
34 71 13 26-0094 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	284.86	160.44
34 71 13 26-0095 EA Turnbuckle Cable End Assembly	52.43	8.03
34 71 13 26-0096 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	151.37	3.98
34 71 13 26-0097 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	155.54	3.98
34 71 13 26-0098 EA Breakaway Anchor Angle.....	64.95	8.03
34 71 13 26-0099 EA Standard End Post Cap Assembly.....	30.35	3.98
34 71 13 26-0100 EA Driveway End Post Cap Assembly.....	26.17	3.98
34 71 13 26-0101 EA End Post Ground Support Plates.....	15.74	3.98
34 71 13 26-0102 EA 11" Stud Bolt, Cable Guide Rail.....	14.18	3.98
34 71 13 26-0103 EA 18" Stud Bolt, Cable Guide Rail.....	16.26	3.98
34 71 13 26-0104 EA 25" Stud Bolt, Cable Guide Rail.....	18.35	3.98
34 71 13 26-0105 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	135.89	8.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0106 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	144.24	8.03
34 71 13 26-0107 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	98.33	8.03
34 71 13 26-0108 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	59.56	3.98
34 71 13 26-0109 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	64.95	8.03
34 71 13 26-0110 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	72.35	12.01
34 71 13 26-0111 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0082)		
34 71 13 26-0112 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	113.66	11.69
34 71 13 26-0113 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	213.81	11.69
34 71 13 26-0114 EA Anchor Angle For Slip Impact Post System.....	69.84	11.69
34 71 13 26-0115 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	59.41	11.69
34 71 13 26-0116 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0082)		
Note: All tasks include associated hardware.		
34 71 13 26-0117 LF Retention Existing Cable (Each Cable).....	1.07	
34 71 13 26-0118 LF Remove and Store Cable Guide Railing.....	6.44	
34 71 13 26-0119 EA Install Stored Post For Cable Guide Railing.....	46.68	
34 71 13 26-0120 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	2.85	
34 71 13 26-0121 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0122 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0121)		
34 71 13 26-0123 Straight Sections, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0124 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	15.73	2.02
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0125 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	17.64	2.02
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0126 Shop Curved, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0127 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	23.04	2.02
<i>For Shop Curved At <20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0128 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	24.95	2.02
<i>For Shop Curved At <20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0129 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0121)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0130 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	240.67	24.02
34 71 13 26-0131 EA Box Beam End Piece Guide Railing Section (Rustic)..... Note: Excludes splices.	263.62	24.02
34 71 13 26-0132 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized..... Note: Excludes splices.	228.15	24.02
34 71 13 26-0133 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	236.50	24.02
34 71 13 26-0134 Splices For Box Beam Guide Rail (34 71 13 26-0121)		
34 71 13 26-0135 EA Splice For Box Beam Guide Rail.....	102.61	35.65
34 71 13 26-0136 EA Splice For Box Beam Guide Rail (Rustic).....	117.21	35.65
34 71 13 26-0137 Box Beam Guide Rail Posts (34 71 13 26-0121)		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0138 EA Standard Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i>	80.06	35.01
	-5.00	
	9.34	
34 71 13 26-0139 EA Standard Post (Rustic) for Box Beam Guide Railing..... <i>For Installation Without Soil Plate, Deduct</i>	82.15	35.01
	-5.00	
	9.34	
34 71 13 26-0140 EA Extra Long Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i>	84.24	35.01
	-5.00	
	9.34	
34 71 13 26-0141 EA Extra Long Post (Rustic) For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i>	86.32	35.01
	-5.00	
	9.34	

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0142 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	77.98 -5.00 9.34	35.01
34 71 13 26-0143 EA Type I End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	80.06 -5.00 9.34	35.01
34 71 13 26-0144 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	75.89 -5.00 9.34	35.01
34 71 13 26-0145 EA Type II End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	77.98 -5.00 9.34	35.01
34 71 13 26-0146 Box Beam Guide Rail Accessories (34 71 13 26-0121)		
34 71 13 26-0147 EA Box Beam Guide Rail End Cover Plate.....	34.65	7.21
34 71 13 26-0148 EA Box Beam Guide Rail End Cover Plate (Rustic)	36.73	7.21
34 71 13 26-0149 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0121)		
Note: For existing guide rail.		
34 71 13 26-0150 LF Remove And Store Box Beam Guide Rail And Post.....	3.16	
34 71 13 26-0151 LF Reset Box Beam Guide Rail	9.23	
34 71 13 26-0152 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0153 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0152)		
34 71 13 26-0154 Straight Sections, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0155 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	29.64 1.83	7.21
34 71 13 26-0156 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	31.55 1.83	7.21
34 71 13 26-0157 Shop Curved, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0158 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	34.66 2.44 1.83	7.21
34 71 13 26-0159 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	40.92 2.44 1.83	7.21
34 71 13 26-0160 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0152)		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0161 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... Note: Excludes splices and post.	739.34	24.02
34 71 13 26-0162 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	756.04	24.02
34 71 13 26-0163 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... Note: Excludes splices and post.	739.34	24.02
34 71 13 26-0164 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	756.04	24.02
34 71 13 26-0165 Splices For Box Beam Median Barrier (34 71 13 26-0152)		
34 71 13 26-0166 EA Splice for Box Beam Median Barrier.....	71.52	19.22
34 71 13 26-0167 EA Splice for Box Beam Median Barrier (Rustic).....	102.82	19.22
34 71 13 26-0168 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0152)		
Note: Includes all associated hardware.		
34 71 13 26-0169 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	80.06 -5.00 9.34	35.01
34 71 13 26-0170 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	82.15 -5.00 9.34	35.01
34 71 13 26-0171 EA Extra Long Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	84.24 -5.00 9.34	35.01
34 71 13 26-0172 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	86.32 -5.00 9.34	35.01
34 71 13 26-0173 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	75.89 -5.00 9.34	35.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0174 EA Type B End Treatment or Rub Back Anchor Post (Rustic)	75.89	35.01
Note: For box beam median barrier.		
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.34	
34 71 13 26-0175 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete	84.24	35.01
Note: For median barrier transition.		
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.34	
34 71 13 26-0176 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier	86.32	35.01
Note: For Concrete median barrier transition.		
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.34	
34 71 13 26-0177 Box Beam Median Barrier Accessories (34 71 13 26-0152)		
34 71 13 26-0178 EA Box Beam Median Barrier End Cover Plate	51.70	16.91
34 71 13 26-0179 EA Box Beam Median Barrier End Cover Plate (Rustic)	53.79	16.91
34 71 13 26-0180 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0152)		
Note: For existing guide rail.		
34 71 13 26-0181 LF Remove and Store Box Beam Median Barrier and Posts	3.27	
34 71 13 26-0182 LF Reset Box Beam Median Barrier	9.67	
34 71 13 26-0183 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0184 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0183)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0185 CY Guide Rail Concrete Anchor Unit	513.80	
<i>For Each Additional Set Of Anchor Rods, Add</i>	38.00	
34 71 13 26-0186 EA Reset Existing Anchorage Unit For All Types of Guide Rail	367.28	
Note: Includes excavation and backfill.		
34 71 13 26-0187 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0183)		
Note: All tasks include associated hardware.		
34 71 13 26-0188 EA Straighten And Reset Driven Post For Guide Rail	46.68	
34 71 13 26-0189 EA Straighten And Reset Post Mounted On Concrete For Guide Rail	49.68	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0190 Additional Wood and Steel Posts (34 71 13 26-0183)		
34 71 13 26-0191 LF 4" x 6" Wood Post	25.50	11.70
<i>For Installation In Rock, Add</i>	3.12	
34 71 13 26-0192 LF 6" x 8" Wood Post	28.63	11.70
<i>For Installation In Rock, Add</i>	3.12	
34 71 13 26-0193 LF 6" x 7/8" Steel Post Galvanized	21.50	11.70
<i>For Installation In Rock, Add</i>	3.12	
34 71 13 26-0194 EA Base Plate With Anchor Bolts For Mounting Post On Concrete	154.87	11.69
34 71 13 26-0195 Accessories For All Types of Guide Rail (34 71 13 26-0183)		
34 71 13 26-0196 EA Reflector, Guard Rail	15.21	
34 71 13 26-0197 Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0198 LF Resilient Guard Fence And Light Shield, Up To 6' High	51.11	5.32
34 71 13 26-0199 Individual Concrete Posts (34 71 13 26)		
34 71 13 26-0200 EA 6'-5" Concrete Posts, Round	65.62	5.32
34 71 13 26-0201 EA 6'-5" Concrete Posts, Square	73.40	5.99
34 71 13 26-0202 EA 6'-5" Concrete Posts, Triangular	71.48	5.99
34 71 13 26-0203 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0204 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0203)		
34 71 13 26-0205 EA Box Beam To Corrugated Beam Rail Bolted Section	339.11	
34 71 13 26-0206 EA Box Beam To Corrugated Beam Rail Bolted Plate	255.65	
Note: For making cable connections.		
34 71 13 26-0207 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0203)		
34 71 13 26-0208 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	343.28	
34 71 13 26-0209 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	255.65	
Note: For making cable connections.		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0210 Transition Box Beam Guide Rail To Cable Guide Rail <small>(34 71 13 26-0203)</small>		
34 71 13 26-0211 EA Box Beam to Cable Guide Rail U-bolt And Plate	42.25	12.81
34 71 13 26-0212 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0203)</small>		
34 71 13 26-0213 EA Box Beam Median Barrier To Concrete Barrier End Connection	422.57	
34 71 13 26-0214 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0203)</small>		
34 71 13 26-0215 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	318.24	
34 71 13 26-0216 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	370.41	
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	16,952.03	2,537.98
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,235.90	3,383.98
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,325.52	4,441.47
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,045.29	5,498.96
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,520.77	2,855.23
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,428.04	3,806.97
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,573.45	5,075.96
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,294.01	6,133.45
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,099.75	3,172.48
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,629.88	4,229.97
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,389.34	5,604.71
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	44,531.80	6,767.95
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	21,884.14	3,489.72
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	29,911.67	4,652.97
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,524.01	6,133.45
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	48,108.67	7,402.45
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	23,698.04	3,806.97
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	32,228.45	5,075.96
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	44,151.80	6,767.95
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	51,748.73	8,036.94
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 3' High, 3" Diameter Flexible Fixed Stanchion, Folding Barrier With Individual Padlocks.....	125.22	13.31
34 71 19 16-0002 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	45.14	6.66
34 80 Bridges <small>(34)</small>		
34 82 Bridge Specialties <small>(34 80)</small>		
34 82 23 Bridge Railing <small>(34 82)</small>		
34 82 23 00-0001 Metal Bridge Railing <small>(34 82 23)</small>		
Note: Includes hardware for bridge rail mounting.		
34 82 23 00-0002 LF 2" x 2" x 1/8" Bridge Railing	30.77	2.88
34 82 23 00-0003 LF 3" x 3" x 5/16" Bridge Railing	52.48	4.49
34 82 23 00-0004 LF 5" x 3" x 1/4" Bridge Railing	67.62	6.58
34 82 23 00-0005 LF 6" x 6" x 3/16" Bridge Railing	89.86	8.29
34 82 23 00-0006 LF 5" O.D. x 1/4" Bridge Railing	72.06	6.39
34 82 23 00-0007 Bridge Post <small>(34 82 23)</small>		
Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008 EA 6" x 9" x 5'-6" Bridge Post.....	115.01	34.08
34 82 23 00-0009 EA 6" x 9" x 7' Bridge Post.....	142.01	36.21



Transportation	34	34
Bridges	34 80	
Bridge Specialties	34 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0010 EA Two Rail With Base Plate Bridge Post Assembly	323.79	63.89
34 82 23 00-0011 EA Two Rail With Curb Bridge Post Assembly	395.85	68.15
34 82 23 00-0012 EA Two Rail (Curbless) Bridge Post Assembly	362.22	68.15
34 82 23 00-0013 EA Two Rail With Optional Handrail Bridge Post Assembly	433.81	68.15
34 82 23 00-0014 EA Three Rail With Base Plate Bridge Post Assembly	335.97	68.15
34 82 23 00-0015 EA Three Rail With Curb Bridge Post Assembly	453.85	70.28
34 82 23 00-0016 EA Three Rail (Curbless) Bridge Post Assembly	444.99	70.28
34 82 23 00-0017 EA Three Rail With Optional Handrail Bridge Post Assembly	545.65	70.28
34 82 23 00-0018 EA Four Rail (Curbless) With Base Plate Bridge Post	373.02	72.41
34 82 23 00-0019 EA Four Rail With Base Plate (Sidewalk Type) Bridge Post	373.11	72.41
34 82 23 00-0020 EA Four Rail With Curb Bridge Post Assembly	553.02	72.41
34 82 23 00-0021 EA Four Rail (Curbless) Bridge Post Assembly	567.63	72.41
34 82 23 00-0022 EA Five Rail With Base Plate (Curbless) Bridge Post Assembly	414.28	76.66
34 82 23 00-0023 Bridge Railing Splices <small>(34 82 23)</small>		
Note: Includes hardware for splices.		
34 82 23 00-0024 EA 5" O.D. Bridge Railing Splice	169.05	16.42
34 82 23 00-0025 EA 5" x 3" Bridge Railing Splice	101.20	14.37
34 82 23 00-0026 EA 3" x 3" Bridge Railing Splice	62.48	10.26
34 82 23 00-0027 EA 2" x 2" Bridge Railing Splice	32.13	7.39
34 82 23 00-0028 EA 5" x 5" x 3" Expansion Splice Tube	128.84	15.88
34 82 23 00-0029 EA 4" x 2" x 3" Expansion Splice Bar	137.06	15.88
34 82 23 00-0030 EA 5" x 5" x 2" Fixed Splice Tube	118.03	15.88
34 82 23 00-0031 EA 4" x 2" x 2" Fixed Splice Bar	121.00	15.88
34 82 23 00-0032 EA 6" x 6" x 3/16" Box x 9' Flare Tube	173.97	21.44
34 82 23 00-0033 Transition For Bridge Railing <small>(34 82 23)</small>		
Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034 EA Two Rail Box Beam To Bridge Transition With Splices	708.74	85.18
34 82 23 00-0035 EA Three Rail Box Beam To Bridge Transition With Splices	753.98	89.44
34 82 23 00-0036 EA Four Rail Box Beam To Bridge Transition With Splices	877.09	93.70
34 82 23 00-0037 EA 6" x 6" x 16-1/2' Bottom Transition Tube	300.74	42.60
34 82 23 00-0038 EA 6" x 6" x 22' Bottom Transition Tube	369.60	46.85
34 82 23 00-0039 EA 8" x 6" x 16-1/2' Bottom Transition Tube	349.11	42.60
34 82 23 00-0040 EA 6" x 6" x 16-1/2' Top Transition Tube	308.01	42.60
34 82 23 00-0041 EA 6" x 6" x 21-1/2' Top Transition Tube	363.60	46.85
34 82 23 00-0042 EA 8" x 6" x 16-1/2' Top Transition Tube	358.13	42.60
34 82 23 00-0043 EA 6" x 6" x 16-1/2' Middle Transition Tube	290.77	42.60
34 82 23 00-0044 EA 8" x 6" x 16-1/2' Middle Transition Tube	353.62	42.60
34 82 23 00-0045 Anchor Plates And End Caps For Bridge Railing <small>(34 82 23)</small>		
34 82 23 00-0046 EA 14" x 14" Bridge Railing Anchor Plate	31.74	4.10
34 82 23 00-0047 EA 18" x 22" Deck Anchor Plate	190.50	20.52
34 82 23 00-0048 EA 2" x 2" Bridge Railing End Cap	25.46	2.06
34 82 23 00-0049 EA 3" x 3" Bridge Railing End Cap	16.12	2.06
34 82 23 00-0050 EA 5" O.D Bridge Railing End Cap	16.01	2.06
34 82 26 Bridge Slope Protection <small>(34 82)</small>		
34 82 26 00-0001 Bridge Slope Protection <small>(34 82 26)</small>		
Note: Solid concrete masonry unit installed in sand bedding.		
34 82 26 00-0002 SF 8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	9.72	3.96
34 82 26 00-0003 SF 8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	11.41	4.36
34 82 26 00-0004 SF 8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	12.54	4.63

END OF SECTION 34

34 Transportation

34 80 Bridges

34 82 Bridge Specialties



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 23 Stainless Steel Process Pipe and Tubing ^(40 05)

40 05 23 43 Stainless Steel Process Pipe ^(40 05 23)

40 05 23 43-0001	Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly ^(40 05 23)		
	<small>Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.</small>		
40 05 23 43-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 22.97		6.66
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	2.49	
	<i>For Work In Restricted Working Space, Add</i>	4.02	
40 05 23 43-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 25.95		7.64
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	2.61	
	<i>For Work In Restricted Working Space, Add</i>	4.77	
40 05 23 43-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 30.22		8.62
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	3.06	
	<i>For Work In Restricted Working Space, Add</i>	5.54	
40 05 23 43-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 34.71		10.41
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	3.86	
	<i>For Work In Restricted Working Space, Add</i>	5.96	
40 05 23 43-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 38.31		10.70
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	4.42	
	<i>For Work In Restricted Working Space, Add</i>	6.39	
40 05 23 43-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 46.41		14.14
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	5.39	
	<i>For Work In Restricted Working Space, Add</i>	7.70	
40 05 23 43-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 67.46		17.44
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	9.27	
	<i>For Work In Restricted Working Space, Add</i>	9.54	
40 05 23 43-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 85.33		20.21
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	12.07	
	<i>For Work In Restricted Working Space, Add</i>	11.67	
40 05 23 43-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 116.24		20.21
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Work In Restricted Working Space, Add</i>	14.81	

40 05 23 43-0011 Stainless Steel Tubing And Fittings ^(40 05 23 43)

40 05 23 43-0012 Type 304 Tubing ^(40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall ^(40 05 23 43-0012)

40 05 23 43-0014	LF 1/4" Stainless Steel Tubing, Type 304, 0.035" Wall 5.33		2.20
	<i>For Work In Restricted Working Space, Add</i>	1.31	
40 05 23 43-0015	LF 3/8" Stainless Steel Tubing, Type 304, 0.035" Wall 6.25		2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0016	LF 1/2" Stainless Steel Tubing, Type 304, 0.035" Wall 7.41		3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0017	LF 5/8" Stainless Steel Tubing, Type 304, 0.035" Wall 10.94		3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0018	LF 3/4" Stainless Steel Tubing, Type 304, 0.035" Wall 12.81		3.91
	<i>For Work In Restricted Working Space, Add</i>	2.36	
40 05 23 43-0019	LF 7/8" Stainless Steel Tubing, Type 304, 0.035" Wall 14.19		4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0020	LF 1" Stainless Steel Tubing, Type 304, 0.035" Wall 16.13		5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	

40 05 23 43-0021 0.049" Wall ^(40 05 23 43-0012)

40 05 23 43-0022	LF 1/4" Stainless Steel Tubing, Type 304, 0.049" Wall 8.11		2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0023	LF 3/8" Stainless Steel Tubing, Type 304, 0.049" Wall 9.14		3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0024	LF 1/2" Stainless Steel Tubing, Type 304, 0.049" Wall 10.85		3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0025	LF 5/8" Stainless Steel Tubing, Type 304, 0.049" Wall 13.69		4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0026	LF 3/4" Stainless Steel Tubing, Type 304, 0.049" Wall 15.85		5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	
40 05 23 43-0027	LF 7/8" Stainless Steel Tubing, Type 304, 0.049" Wall 17.98		6.10
	<i>For Work In Restricted Working Space, Add</i>	3.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0028 LF 1" Stainless Steel Tubing, Type 304, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.67 4.17	6.91
40 05 23 43-0029 0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030 LF 1/4" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	9.46 1.83	3.09
40 05 23 43-0031 LF 3/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	10.87 2.09	3.49
40 05 23 43-0032 LF 1/2" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.45 2.62	4.39
40 05 23 43-0033 LF 5/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.89 3.15	5.29
40 05 23 43-0034 LF 3/4" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	18.69 3.67	6.10
40 05 23 43-0035 LF 7/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	21.42 4.17	6.91
40 05 23 43-0036 LF 1" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.14 4.69	7.81
40 05 23 43-0037 Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038 90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039 EA 1/4" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	29.71 5.24	8.78
40 05 23 43-0040 EA 3/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	34.55 5.74	9.60
40 05 23 43-0041 EA 1/2" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	49.32 6.50	10.82
40 05 23 43-0042 EA 5/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	53.11 7.28	12.12
40 05 23 43-0043 EA 3/4" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	59.06 7.87	13.09
40 05 23 43-0044 EA 7/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	78.08 8.72	14.55
40 05 23 43-0045 EA 1" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	98.53 10.38	17.32
40 05 23 43-0046 Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	46.57 7.87	13.09
40 05 23 43-0048 EA 3/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	55.43 8.72	14.55
40 05 23 43-0049 EA 1/2" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	72.99 9.76	16.27
40 05 23 43-0050 EA 5/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	79.28 11.09	18.46
40 05 23 43-0051 EA 3/4" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	98.40 11.90	19.84
40 05 23 43-0052 EA 7/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.07 13.19	21.96
40 05 23 43-0053 EA 1" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	178.57 15.74	26.27
40 05 23 43-0054 Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	44.95 7.87	13.09
40 05 23 43-0056 EA 3/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	56.34 8.72	14.55
40 05 23 43-0057 EA 1/2" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	73.59 9.76	16.27
40 05 23 43-0058 EA 5/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	88.68 11.09	18.46
40 05 23 43-0059 EA 3/4" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	104.12 11.90	19.84
40 05 23 43-0060 EA 7/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	153.63 13.19	21.96
40 05 23 43-0061 EA 1" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	165.65 15.74	26.27
40 05 23 43-0062 Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063 EA 1/4" x 1/4" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	23.91 5.24	8.78
40 05 23 43-0064 EA 3/8" x 3/8" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	28.86 5.74	9.60
40 05 23 43-0065 EA 1/2" x 1/2" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	36.22 6.50	10.82
40 05 23 43-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	40.76 7.28	12.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0067 EA 3/4" x 3/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	48.09 7.87	13.09
40 05 23 43-0068 EA 7/8" x 7/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	68.46 8.72	14.55
40 05 23 43-0069 EA 1" x 1" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	73.28 10.38	17.32
40 05 23 43-0070 Type 304 Valves (40 05 23 43-0011)		
40 05 23 43-0071 Gate Valves (40 05 23 43-0070)		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	155.70 7.10	13.09
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	262.98 7.48	15.37
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	272.66 10.38	17.32
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	302.20 11.90	19.84
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	276.74 15.74	26.27
40 05 23 43-0077 Globe Valves (40 05 23 43-0070)		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	157.86 7.10	13.09
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	103.91 7.48	15.37
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	187.10 10.38	17.32
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	208.23 11.90	19.84
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	303.98 15.74	26.27
40 05 23 43-0083 Check Valves (40 05 23 43-0070)		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	221.42 7.10	13.09
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	222.67 7.48	15.37
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	145.14 10.38	17.32
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	151.81 11.90	19.84
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	167.81 15.74	26.27
40 05 23 43-0089 Plug Valves (40 05 23 43-0070)		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	342.57 10.38	17.32
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	375.01 11.90	19.84
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	424.30 15.74	26.27
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	589.86 17.81	29.68
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	767.95 24.40	40.66
40 05 23 43-0095 Type 316 Tubing (40 05 23 43-0011)		
40 05 23 43-0096 0.035" Wall (40 05 23 43-0095)		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	5.48 1.31	2.20
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	6.97 1.57	2.60
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	7.85 1.83	3.09
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.10 2.09	3.49
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	13.72 2.36	3.91
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	16.98 2.62	4.39
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	18.29 3.15	5.29
40 05 23 43-0104 0.049" Wall (40 05 23 43-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	8.73 1.57	2.60
40 05 23 43-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	9.79 1.83	3.09
40 05 23 43-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	11.46 2.09	3.49
40 05 23 43-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.83 2.62	4.39
40 05 23 43-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.26 3.15	5.29
40 05 23 43-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	21.61 3.67	6.10
40 05 23 43-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	22.57 4.17	6.91
40 05 23 43-0112			0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	10.21 1.83	3.09
40 05 23 43-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.44 2.09	3.49
40 05 23 43-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.35 2.62	4.39
40 05 23 43-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.13 3.15	5.29
40 05 23 43-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.58 3.67	6.10
40 05 23 43-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	22.82 4.17	6.91
40 05 23 43-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.39 4.69	7.81
40 05 23 43-0120			Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121			90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	38.53 5.24	8.78
40 05 23 43-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	45.68 5.74	9.60
40 05 23 43-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.27 6.50	10.82
40 05 23 43-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	73.92 7.28	12.12
40 05 23 43-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.76 7.87	13.09
40 05 23 43-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	113.48 8.72	14.55
40 05 23 43-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	144.67 10.38	17.32
40 05 23 43-0129			Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	61.25 7.87	13.09
40 05 23 43-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.47 8.72	14.55
40 05 23 43-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	102.21 9.76	16.27
40 05 23 43-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	109.84 11.09	18.46
40 05 23 43-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.81 11.90	19.84
40 05 23 43-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	224.95 13.19	21.96
40 05 23 43-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	269.62 15.74	26.27
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	42.71 7.87	13.09
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	53.08 8.72	14.55
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.68 9.76	16.27
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.49 11.09	18.46
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	96.42 11.90	19.84
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.52 13.19	21.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	152.12 15.74	26.27
40 05 23 43-0145 Male Connectors (40 05 23 43-0120)		
40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	28.46 5.24	8.78
40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	35.73 5.74	9.60
40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	46.51 6.50	10.82
40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	52.41 7.28	12.12
40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	63.54 7.87	13.09
40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	96.32 8.72	14.55
40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.62 10.38	17.32
40 05 23 43-0153 Type 316 Valves (40 05 23 43-0011)		
40 05 23 43-0154 Gate Valves (40 05 23 43-0153)		
40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	198.32 7.10	13.09
40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	339.84 7.48	15.37
40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.52 10.38	17.32
40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	386.96 11.90	19.84
40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.15 15.74	26.27
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	480.89 16.35	27.24
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	774.58 17.81	29.68
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	920.52 24.40	40.66
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,357.00 78.10	130.21
40 05 23 43-0164 Globe Valves (40 05 23 43-0153)		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	201.18 7.10	13.09
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	129.41 7.48	15.37
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	236.33 10.38	17.32
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	262.65 11.90	19.84
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	385.18 15.74	26.27
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	481.87 16.23	27.08
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	803.19 17.81	29.68
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	949.13 24.40	40.66
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,175.81 78.10	130.21
40 05 23 43-0174 Check Valves (40 05 23 43-0153)		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	285.27 7.10	13.09
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	286.52 7.48	15.37
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	180.83 10.38	17.32
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	188.01 11.90	19.84
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	205.05 15.74	26.27
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	285.08 16.35	27.24
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	641.07 17.81	29.68
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	777.48 24.40	40.66

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,531.84 78.10	130.21
40 05 23 43-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	305.71 10.38	17.32
40 05 23 43-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	357.19 11.90	19.84
40 05 23 43-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	455.40 15.74	26.27
40 05 23 43-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	727.82 17.81	29.68
40 05 23 43-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,017.17 24.40	40.66
40 05 23 43-0190			Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	405.98 10.38	17.32
40 05 23 43-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	466.74 11.90	19.84
40 05 23 43-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	564.96 15.74	26.27
40 05 23 43-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	881.93 17.81	29.68
40 05 23 43-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,201.00 24.40	40.66
40 05 23 43-0196			Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197	EA		1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	406.94 10.38	17.32
40 05 23 43-0198	EA		3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	487.15 11.96	19.92
40 05 23 43-0199	EA		1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	637.33 15.86	26.43
40 05 23 43-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	792.41 16.35	27.24
40 05 23 43-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	995.45 17.81	29.68
40 05 23 43-0202	EA		2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,435.97 24.40	40.66
40 05 23 43-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,973.75 32.45	54.09
40 05 23 43-0204	EA		3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,873.85 48.80	81.33
40 05 23 43-0205	EA		4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,673.73 78.07	130.13
40 05 23 43-0206			Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	433.86 10.38	17.32
40 05 23 43-0208	EA		3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	474.40 11.90	19.84
40 05 23 43-0209	EA		1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	534.52 15.74	26.27
40 05 23 43-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	747.11 17.81	29.68
40 05 23 43-0211	EA		2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	971.48 24.40	40.66
40 05 23 43-0212			Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.					
40 05 23 43-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe	16.26	
40 05 23 43-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe	17.56	
40 05 23 43-0215	EA		Cut And Prepare 1" Stainless Steel Pipe	19.75	
40 05 23 43-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe	20.73	
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	21.95	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	23.57	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	25.20	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	27.64	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	30.08	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	32.52	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	34.96	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	38.21	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	41.46	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	44.71	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	47.96	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	50.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0229 EA Cut And Prepare 20" Stainless Steel Pipe	52.85	
40 05 23 43-0230 EA Cut And Prepare 24" Stainless Steel Pipe	56.10	
40 05 23 43-0231 Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232 Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0233 Pipe (40 05 23 43-0232)		
40 05 23 43-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	11.69	3.49
For Work In Restricted Working Space, Add	2.09	
40 05 23 43-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.40	4.39
For Work In Restricted Working Space, Add	2.62	
40 05 23 43-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	17.69	5.29
For Work In Restricted Working Space, Add	3.15	
40 05 23 43-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.22	6.10
For Work In Restricted Working Space, Add	3.67	
40 05 23 43-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.54	6.91
For Work In Restricted Working Space, Add	4.17	
40 05 23 43-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	31.32	8.78
For Work In Restricted Working Space, Add	5.24	
40 05 23 43-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	42.21	10.41
For Work In Restricted Working Space, Add	6.26	
40 05 23 43-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	53.07	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	71.76	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0243 90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244 EA 1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	32.79	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0245 EA 3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	42.05	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0246 EA 1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	53.85	21.96
For Work In Restricted Working Space, Add	13.19	
40 05 23 43-0247 EA 1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	75.08	30.09
For Work In Restricted Working Space, Add	18.07	
40 05 23 43-0248 EA 1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	87.59	35.37
For Work In Restricted Working Space, Add	21.22	
40 05 23 43-0249 EA 2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	109.97	42.78
For Work In Restricted Working Space, Add	25.68	
40 05 23 43-0250 EA 2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	202.81	67.74
For Work In Restricted Working Space, Add	40.67	
40 05 23 43-0251 EA 3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	259.84	87.42
For Work In Restricted Working Space, Add	52.47	
40 05 23 43-0252 EA 4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	383.39	108.41
For Work In Restricted Working Space, Add	65.06	
40 05 23 43-0253 45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254 EA 1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	35.21	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0255 EA 3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	44.33	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0256 EA 1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	54.67	21.96
For Work In Restricted Working Space, Add	13.19	
40 05 23 43-0257 EA 1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	74.10	30.09
For Work In Restricted Working Space, Add	18.07	
40 05 23 43-0258 EA 1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	88.64	35.37
For Work In Restricted Working Space, Add	21.22	
40 05 23 43-0259 EA 2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	110.94	42.78
For Work In Restricted Working Space, Add	25.68	
40 05 23 43-0260 EA 2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	223.18	67.74
For Work In Restricted Working Space, Add	40.67	
40 05 23 43-0261 EA 3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	298.75	87.42
For Work In Restricted Working Space, Add	52.47	
40 05 23 43-0262 EA 4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	440.84	108.41
For Work In Restricted Working Space, Add	65.06	
40 05 23 43-0263 Tees (40 05 23 43-0232)		
40 05 23 43-0264 EA 1/2" Tee, Stainless Steel, Schedule 40 Type 304	49.50	19.84
For Work In Restricted Working Space, Add	11.90	
40 05 23 43-0265 EA 3/4" Tee, Stainless Steel, Schedule 40 Type 304	62.96	26.27
For Work In Restricted Working Space, Add	15.74	
40 05 23 43-0266 EA 1" Tee, Stainless Steel, Schedule 40 Type 304	77.46	32.53
For Work In Restricted Working Space, Add	19.52	
40 05 23 43-0267 EA 1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	110.63	45.22
For Work In Restricted Working Space, Add	27.11	
40 05 23 43-0268 EA 1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	127.13	50.83
For Work In Restricted Working Space, Add	30.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0269	EA		2" Tee, Stainless Steel, Schedule 40 Type 304.....	166.31	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0270	EA		2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	297.77	98.00
			<i>For Work In Restricted Working Space, Add</i>	58.79	
40 05 23 43-0271	EA		3" Tee, Stainless Steel, Schedule 40 Type 304.....	417.25	131.19
			<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 23 43-0272	EA		4" Tee, Stainless Steel, Schedule 40 Type 304.....	574.95	162.65
			<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23 43-0273			Reducers (40 05 23 43-0232)		
40 05 23 43-0274	EA		3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	40.78	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0275	EA		1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	53.08	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0276	EA		1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	78.91	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0277	EA		1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	91.32	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0278	EA		2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	117.72	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0279	EA		2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	203.01	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0280	EA		3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	247.07	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0281	EA		4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	357.74	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0282	EA		4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	302.34	99.63
			<i>For Work In Restricted Working Space, Add</i>	59.78	
40 05 23 43-0283			Unions (40 05 23 43-0232)		
40 05 23 43-0284	EA		1/2" Union, Stainless Steel, Schedule 40 Type 304.....	53.33	19.84
			<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0285	EA		3/4" Union, Stainless Steel, Schedule 40 Type 304.....	71.19	26.27
			<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0286	EA		1" Union, Stainless Steel, Schedule 40 Type 304.....	92.24	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0287	EA		1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	140.31	45.22
			<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0288	EA		1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	160.37	50.83
			<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 43-0289	EA		2" Union, Stainless Steel, Schedule 40 Type 304.....	209.67	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0290			Flanges (40 05 23 43-0232)		
40 05 23 43-0291	EA		2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	195.34	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0292	EA		3" Flange, Stainless Steel, Schedule 40 Type 304.....	240.09	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0293	EA		4" Flange, Stainless Steel, Schedule 40 Type 304.....	310.55	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0294			Caps (40 05 23 43-0232)		
40 05 23 43-0295	EA		1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	15.62	6.59
			<i>For Work In Restricted Working Space, Add</i>	3.93	
40 05 23 43-0296	EA		3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	21.14	8.78
			<i>For Work In Restricted Working Space, Add</i>	5.24	
40 05 23 43-0297	EA		1" Caps, Stainless Steel, Schedule 40 Type 304.....	27.06	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.50	
40 05 23 43-0298	EA		1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	44.78	15.37
			<i>For Work In Restricted Working Space, Add</i>	9.21	
40 05 23 43-0299	EA		1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	50.87	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0300	EA		2" Caps, Stainless Steel, Schedule 40 Type 304.....	64.59	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0301	EA		2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	100.02	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0302	EA		3" Caps, Stainless Steel, Schedule 40 Type 304.....	133.94	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0303	EA		4" Caps, Stainless Steel, Schedule 40 Type 304.....	197.77	54.25
			<i>For Work In Restricted Working Space, Add</i>	32.53	
40 05 23 43-0304			Additional Fittings (40 05 23 43-0232)		
40 05 23 43-0305	EA		1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	64.47	27.24
			<i>For Work In Restricted Working Space, Add</i>	16.35	
40 05 23 43-0306	EA		3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	75.60	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0307	EA		1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	110.67	37.00
			<i>For Work In Restricted Working Space, Add</i>	22.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0308 EA 1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0309 EA 1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0310 EA 2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.88 26.84	44.73
40 05 23 43-0311 Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0312 Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	12.78 2.05	3.40
40 05 23 43-0314 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	15.18 2.50	4.17
40 05 23 43-0315 LF 1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	18.06 2.93	4.92
40 05 23 43-0316 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	21.67 3.66	6.14
40 05 23 43-0317 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.68 4.13	6.89
40 05 23 43-0318 LF 2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	30.73 5.12	8.56
40 05 23 43-0319 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	38.53 5.85	9.76
40 05 23 43-0320 LF 3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	44.89 6.58	10.98
40 05 23 43-0321 LF 4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	55.31 7.79	13.02
40 05 23 43-0322 LF 6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	88.49 10.23	17.11
40 05 23 43-0323 LF 8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	148.29 19.51	30.36
40 05 23 43-0324 LF 10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	188.79 21.46	33.38
40 05 23 43-0325 LF 12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	215.61 23.84	37.11
40 05 23 43-0326 LF 14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	264.26 26.82	41.73
40 05 23 43-0327 LF 16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	291.43 30.65	47.69
40 05 23 43-0328 LF 18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	327.08 35.76	55.63
40 05 23 43-0329 LF 20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	435.22 42.92	66.75
40 05 23 43-0330 LF 24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	566.29 53.64	83.44
40 05 23 43-0331 90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	99.85 25.89	43.16
40 05 23 43-0333 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.86 27.48	45.81
40 05 23 43-0334 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.18 30.21	50.36
40 05 23 43-0335 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	134.59 32.94	54.89
40 05 23 43-0336 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	140.51 36.31	60.58
40 05 23 43-0337 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	160.94 40.45	67.39
40 05 23 43-0338 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	209.58 51.72	86.32
40 05 23 43-0339 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	248.73 60.54	101.08
40 05 23 43-0340 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	328.50 72.53	121.15
40 05 23 43-0341 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	550.26 90.72	151.44
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	932.25 153.26	238.41
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,548.71 204.35	317.88
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,393.89 306.53	476.83
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,043.97 357.62	556.29
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,774.68 407.93	635.77
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,808.36 510.89	794.71
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,872.58 715.24	1,112.60

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,930.38 1,021.77	1,589.42
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.79 25.89	43.16
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.09 27.48	45.81
40 05 23 43-0353 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.64 30.21	50.36
40 05 23 43-0354 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.91 32.92	54.89
40 05 23 43-0355 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	141.11 36.36	60.58
40 05 23 43-0356 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	157.75 40.45	67.39
40 05 23 43-0357 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	210.62 51.77	86.32
40 05 23 43-0358 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.19 60.67	101.08
40 05 23 43-0359 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	311.12 72.62	121.15
40 05 23 43-0360 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	451.59 90.86	151.44
40 05 23 43-0361 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	771.14 153.26	238.41
40 05 23 43-0362 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,265.43 204.35	317.88
40 05 23 43-0363 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,951.27 306.53	476.83
40 05 23 43-0364 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,424.30 357.62	556.29
40 05 23 43-0365 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,979.75 407.93	635.77
40 05 23 43-0366 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,066.53 510.89	794.71
40 05 23 43-0367 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,907.68 715.24	1,112.60
40 05 23 43-0368 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,363.51 1,021.77	1,589.42
40 05 23 43-0369 Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370 EA 1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.58 32.91	54.89
40 05 23 43-0371 EA 3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	189.55 40.40	67.39
40 05 23 43-0372 EA 1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.54 45.39	75.72
40 05 23 43-0373 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	261.97 51.77	86.32
40 05 23 43-0374 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	237.45 55.57	92.75
40 05 23 43-0375 EA 2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	256.91 60.61	101.08
40 05 23 43-0376 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	397.87 72.62	121.15
40 05 23 43-0377 EA 3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	405.16 91.01	151.44
40 05 23 43-0378 EA 4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	483.87 102.14	170.36
40 05 23 43-0379 EA 6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	887.71 136.19	227.16
40 05 23 43-0380 EA 8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,672.64 204.35	317.88
40 05 23 43-0381 EA 10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,579.79 306.53	476.83
40 05 23 43-0382 EA 12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,268.99 383.17	596.04
40 05 23 43-0383 EA 14" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,142.74 460.46	715.24
40 05 23 43-0384 EA 16" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,655.52 561.71	874.18
40 05 23 43-0385 EA 18" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,703.76 715.24	1,112.60
40 05 23 43-0386 EA 20" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,590.05 941.11	1,470.21
40 05 23 43-0387 EA 24" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,165.58 1,430.48	2,225.19
40 05 23 43-0388 Reducers <small>(40 05 23 43-0311)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304.....	109.70	41.64
<i>For Work In Restricted Working Space, Add</i>	25.01	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304.....	121.26	45.43
<i>For Work In Restricted Working Space, Add</i>	27.25	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	148.18	50.36
<i>For Work In Restricted Working Space, Add</i>	30.21	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	130.07	54.89
<i>For Work In Restricted Working Space, Add</i>	32.92	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304.....	143.22	60.58
<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	184.83	75.72
<i>For Work In Restricted Working Space, Add</i>	45.43	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304.....	205.45	86.32
<i>For Work In Restricted Working Space, Add</i>	51.72	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304.....	239.31	101.08
<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304.....	308.03	128.72
<i>For Work In Restricted Working Space, Add</i>	77.16	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304.....	641.74	190.73
<i>For Work In Restricted Working Space, Add</i>	122.61	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304.....	834.99	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304.....	1,110.29	317.88
<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304.....	1,472.79	417.22
<i>For Work In Restricted Working Space, Add</i>	268.22	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304.....	1,740.22	476.83
<i>For Work In Restricted Working Space, Add</i>	305.66	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304.....	2,165.78	596.04
<i>For Work In Restricted Working Space, Add</i>	383.17	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304.....	3,241.41	794.71
<i>For Work In Restricted Working Space, Add</i>	510.89	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304.....	5,061.91	1,192.06
<i>For Work In Restricted Working Space, Add</i>	766.33	
40 05 23 43-0406 Weld Neck Flanges (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	61.64	17.42
<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	64.68	18.93
<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	77.56	25.37
<i>For Work In Restricted Working Space, Add</i>	15.23	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304.....	86.07	26.50
<i>For Work In Restricted Working Space, Add</i>	15.90	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	99.90	30.29
<i>For Work In Restricted Working Space, Add</i>	18.17	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	119.03	34.07
<i>For Work In Restricted Working Space, Add</i>	20.43	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	161.23	43.54
<i>For Work In Restricted Working Space, Add</i>	26.12	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	178.38	50.36
<i>For Work In Restricted Working Space, Add</i>	30.19	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	244.41	68.15
<i>For Work In Restricted Working Space, Add</i>	40.88	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	370.01	101.08
<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304.....	676.65	119.21
<i>For Work In Restricted Working Space, Add</i>	76.63	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,027.50	139.07
<i>For Work In Restricted Working Space, Add</i>	89.40	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,417.77	158.94
<i>For Work In Restricted Working Space, Add</i>	102.18	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304	1,878.22	198.68
<i>For Work In Restricted Working Space, Add</i>	127.72	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,508.04	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,610.67	278.15
<i>For Work In Restricted Working Space, Add</i>	178.81	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,591.53	337.76
<i>For Work In Restricted Working Space, Add</i>	217.18	
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304	8,002.41	437.09
<i>For Work In Restricted Working Space, Add</i>	280.85	
40 05 23 43-0425 Slip-On Flanges (40 05 23 43-0311)		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304	103.63	37.86
<i>For Work In Restricted Working Space, Add</i>	22.72	
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304	107.39	37.86
<i>For Work In Restricted Working Space, Add</i>	22.72	
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304.....	127.12	46.57
<i>For Work In Restricted Working Space, Add</i>	27.95	
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304.....	140.01	50.36
<i>For Work In Restricted Working Space, Add</i>	30.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0430	EA		1-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	156.15 33.17	55.28
40 05 23 43-0431	EA		2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	181.79 36.31	60.58
40 05 23 43-0432	EA		2-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	223.85 40.88	68.15
40 05 23 43-0433	EA		3" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	245.14 45.39	75.72
40 05 23 43-0434	EA		4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	334.25 60.87	101.47
40 05 23 43-0435	EA		6" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	506.12 90.72	151.44
40 05 23 43-0436	EA		8" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,460.68 153.26	238.41
40 05 23 43-0437			Caps (40 05 23 43-0311)		
40 05 23 43-0438	EA		1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	52.64 10.45	17.42
40 05 23 43-0439	EA		3/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	58.15 11.36	18.93
40 05 23 43-0440	EA		1" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	73.10 15.00	24.99
40 05 23 43-0441	EA		1-1/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	78.88 15.90	26.50
40 05 23 43-0442	EA		1-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	88.31 18.17	30.29
40 05 23 43-0443	EA		2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	96.74 20.43	34.07
40 05 23 43-0444	EA		2-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	120.36 26.12	43.54
40 05 23 43-0445	EA		3" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	137.61 30.19	50.36
40 05 23 43-0446	EA		4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	199.44 40.42	67.39
40 05 23 43-0447	EA		6" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	268.58 60.61	101.08
40 05 23 43-0448			Reducing Tees (40 05 23 43-0311)		
40 05 23 43-0449	EA		3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.05 27.50	54.89
40 05 23 43-0450	EA		1" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	161.72 33.69	67.39
40 05 23 43-0451	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	192.33 37.86	75.72
40 05 23 43-0452	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	191.77 43.16	86.32
40 05 23 43-0453	EA		2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	208.76 46.38	92.75
40 05 23 43-0454	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	303.87 50.54	101.08
40 05 23 43-0455	EA		3" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	295.67 60.58	121.15
40 05 23 43-0456	EA		4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	387.78 75.72	151.44
40 05 23 43-0457	EA		6" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	694.56 86.52	173.02
40 05 23 43-0458	EA		8" Reducing Tee, Stainless Steel Schedule 5 Type 304L <i>For Work In Restricted Working Space, Add</i>	1,276.08 127.72	238.41
40 05 23 43-0459	EA		10" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,046.51 170.30	317.88
40 05 23 43-0460	EA		12" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,742.75 255.44	476.83
40 05 23 43-0461	EA		14" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,491.18 306.88	572.98
40 05 23 43-0462	EA		16" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,891.00 374.34	698.94
40 05 23 43-0463	EA		18" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,745.01 476.83	890.07
40 05 23 43-0464	EA		20" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	7,267.36 627.41	1,171.00
40 05 23 43-0465	EA		24" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	11,151.44 952.81	1,779.35
40 05 23 43-0466			Type 304 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0467			Pipe (40 05 23 43-0466)		
40 05 23 43-0468	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	12.92 2.05	3.40
40 05 23 43-0469	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	15.39 2.50	4.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0470 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.29 2.93	4.92
40 05 23 43-0471 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.79 3.66	6.14
40 05 23 43-0472 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	27.60 4.13	6.89
40 05 23 43-0473 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	34.13 5.12	8.56
40 05 23 43-0474 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	40.74 5.85	9.76
40 05 23 43-0475 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	47.98 6.58	10.98
40 05 23 43-0476 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	60.14 7.79	13.02
40 05 23 43-0477 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	87.43 10.23	17.11
40 05 23 43-0478 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	146.67 19.51	30.36
40 05 23 43-0479 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	186.50 21.46	33.38
40 05 23 43-0480 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	222.77 23.84	37.11
40 05 23 43-0481 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	273.47 26.82	41.73
40 05 23 43-0482 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	301.39 30.65	47.69
40 05 23 43-0483 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.02 35.76	55.63
40 05 23 43-0484 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	467.67 42.92	66.75
40 05 23 43-0485 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	609.35 53.64	83.44
 40 05 23 43-0486 90 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0487 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	97.19 25.89	43.16
40 05 23 43-0488 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.49 27.48	45.81
40 05 23 43-0489 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.58 30.21	50.36
40 05 23 43-0490 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	125.66 32.95	54.89
40 05 23 43-0491 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.30 36.32	60.58
40 05 23 43-0492 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	156.10 40.46	67.39
40 05 23 43-0493 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	202.55 51.74	86.32
40 05 23 43-0494 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	239.84 60.57	101.08
40 05 23 43-0495 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	312.76 72.58	121.15
40 05 23 43-0496 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	504.62 90.67	151.44
40 05 23 43-0497 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	972.64 153.26	238.41
40 05 23 43-0498 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,537.81 204.35	317.88
40 05 23 43-0499 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,365.64 306.53	476.83
40 05 23 43-0500 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,009.46 357.62	556.29
40 05 23 43-0501 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,729.10 407.93	635.77
40 05 23 43-0502 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,746.24 510.89	794.71
40 05 23 43-0503 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,775.27 715.24	1,112.60
40 05 23 43-0504 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,787.66 1,021.77	1,589.42
 40 05 23 43-0505 45 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0506 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.65 25.89	43.16
40 05 23 43-0507 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	106.95 27.48	45.81
40 05 23 43-0508 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.04 30.21	50.36
40 05 23 43-0509 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	126.91 32.93	54.89
40 05 23 43-0510 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	138.74 36.36	60.58

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0511 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.03 40.46	67.39
40 05 23 43-0512 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	201.99 51.77	86.32
40 05 23 43-0513 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	232.80 60.65	101.08
40 05 23 43-0514 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	296.07 72.64	121.15
40 05 23 43-0515 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	418.11 90.86	151.44
40 05 23 43-0516 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	863.56 153.26	238.41
40 05 23 43-0517 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,262.16 204.35	317.88
40 05 23 43-0518 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,948.49 306.53	476.83
40 05 23 43-0519 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,420.65 357.62	556.29
40 05 23 43-0520 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,974.48 407.93	635.77
40 05 23 43-0521 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,059.61 510.89	794.71
40 05 23 43-0522 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,898.31 715.24	1,112.60
40 05 23 43-0523 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,344.02 1,021.77	1,589.42
40 05 23 43-0524 Tees (40 05 23 43-0466)		
40 05 23 43-0525 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.19 32.91	54.89
40 05 23 43-0526 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	171.16 40.40	67.39
40 05 23 43-0527 EA 1" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	187.80 45.39	75.72
40 05 23 43-0528 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	212.77 51.79	86.32
40 05 23 43-0529 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	226.64 55.59	92.75
40 05 23 43-0530 EA 2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	266.51 60.62	101.08
40 05 23 43-0531 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	321.19 72.64	121.15
40 05 23 43-0532 EA 3" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	415.16 90.98	151.44
40 05 23 43-0533 EA 4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	462.03 102.12	170.36
40 05 23 43-0534 EA 6" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	792.40 136.28	227.16
40 05 23 43-0535 EA 8" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,327.80 204.35	317.88
40 05 23 43-0536 EA 10" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,950.55 306.53	476.83
40 05 23 43-0537 EA 12" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,289.54 383.17	596.04
40 05 23 43-0538 EA 14" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,171.51 460.46	715.24
40 05 23 43-0539 EA 16" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,684.44 561.71	874.18
40 05 23 43-0540 EA 18" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,738.01 715.24	1,112.60
40 05 23 43-0541 EA 20" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,646.86 941.11	1,470.21
40 05 23 43-0542 EA 24" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,252.61 1,430.48	2,225.19
40 05 23 43-0543 Reducers (40 05 23 43-0466)		
40 05 23 43-0544 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.09 25.01	41.64
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.87 27.26	45.43
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	150.68 30.21	50.36
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	131.12 32.91	54.89
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.35 36.35	60.58
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	186.57 45.43	75.72
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	207.21 51.73	86.32
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.27 60.61	101.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	310.74 77.17	128.72
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	654.01 122.61	190.73
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	852.04 153.26	238.41
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,132.87 204.35	317.88
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,503.25 268.22	417.22
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,779.06 305.92	476.83
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,212.55 383.17	596.04
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,322.39 510.89	794.71
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,193.88 766.33	1,192.06
40 05 23 43-0561 Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	63.05 10.45	17.42
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	66.09 11.36	18.93
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	78.96 15.22	25.37
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	87.81 15.90	26.50
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.97 18.17	30.29
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	121.72 20.43	34.07
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	165.14 26.12	43.54
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	182.47 30.19	50.36
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.12 40.89	68.15
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	378.81 60.59	101.08
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	698.81 76.63	119.21
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,065.89 89.40	139.07
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,474.47 102.18	158.94
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,954.67 127.72	198.68
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,613.16 153.26	238.41
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,716.71 178.81	278.15
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,742.45 217.18	337.76
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,374.31 280.85	437.09
40 05 23 43-0580 Slip-On Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.10 22.72	37.86
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	109.06 22.72	37.86
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	128.90 27.95	46.57
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	142.07 30.20	50.36
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	158.54 33.17	55.28
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	185.04 36.32	60.58
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	228.48 40.89	68.15
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.09 45.40	75.72
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	341.20 60.88	101.47
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	517.04 90.78	151.44
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,510.67 153.26	238.41

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	43-0592		Caps (40 05 23 43-0466)		
40 05 23	43-0593	EA	1/2" Cap, Stainless Steel Schedule 10 Type 304.....	53.58	17.42
			<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23	43-0594	EA	3/4" Cap, Stainless Steel Schedule 10 Type 304.....	59.22	18.93
			<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23	43-0595	EA	1" Cap, Stainless Steel Schedule 10 Type 304.....	74.31	24.99
			<i>For Work In Restricted Working Space, Add</i>	15.00	
40 05 23	43-0596	EA	1-1/4" Cap, Stainless Steel Schedule 10 Type 304.....	80.24	26.50
			<i>For Work In Restricted Working Space, Add</i>	15.90	
40 05 23	43-0597	EA	1-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	89.77	30.29
			<i>For Work In Restricted Working Space, Add</i>	18.17	
40 05 23	43-0598	EA	2" Cap, Stainless Steel Schedule 10 Type 304.....	98.26	34.07
			<i>For Work In Restricted Working Space, Add</i>	20.43	
40 05 23	43-0599	EA	2-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	122.11	43.54
			<i>For Work In Restricted Working Space, Add</i>	26.12	
40 05 23	43-0600	EA	3" Cap, Stainless Steel Schedule 10 Type 304.....	139.55	50.36
			<i>For Work In Restricted Working Space, Add</i>	30.19	
40 05 23	43-0601	EA	4" Cap, Stainless Steel Schedule 10 Type 304.....	202.89	67.39
			<i>For Work In Restricted Working Space, Add</i>	40.43	
40 05 23	43-0602	EA	6" Cap, Stainless Steel Schedule 10 Type 304.....	272.04	101.08
			<i>For Work In Restricted Working Space, Add</i>	60.59	
40 05 23	43-0603		Reducing Tees (40 05 23 43-0466)		
40 05 23	43-0604	EA	3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	144.96	54.89
			<i>For Work In Restricted Working Space, Add</i>	27.50	
40 05 23	43-0605	EA	1" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	179.05	67.39
			<i>For Work In Restricted Working Space, Add</i>	33.69	
40 05 23	43-0606	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	199.68	75.72
			<i>For Work In Restricted Working Space, Add</i>	37.86	
40 05 23	43-0607	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	224.09	86.32
			<i>For Work In Restricted Working Space, Add</i>	43.16	
40 05 23	43-0608	EA	2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	248.78	92.75
			<i>For Work In Restricted Working Space, Add</i>	46.38	
40 05 23	43-0609	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	357.44	101.08
			<i>For Work In Restricted Working Space, Add</i>	50.54	
40 05 23	43-0610	EA	3" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	365.44	121.15
			<i>For Work In Restricted Working Space, Add</i>	60.58	
40 05 23	43-0611	EA	4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	452.60	151.44
			<i>For Work In Restricted Working Space, Add</i>	75.72	
40 05 23	43-0612	EA	6" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	782.44	173.02
			<i>For Work In Restricted Working Space, Add</i>	86.52	
40 05 23	43-0613	EA	8" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	1,370.56	238.41
			<i>For Work In Restricted Working Space, Add</i>	127.72	
40 05 23	43-0614	EA	10" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	2,892.17	317.88
			<i>For Work In Restricted Working Space, Add</i>	170.30	
40 05 23	43-0615	EA	12" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	3,791.82	476.83
			<i>For Work In Restricted Working Space, Add</i>	255.44	
40 05 23	43-0616	EA	14" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	4,875.54	572.98
			<i>For Work In Restricted Working Space, Add</i>	306.88	
40 05 23	43-0617	EA	16" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	5,356.74	698.94
			<i>For Work In Restricted Working Space, Add</i>	374.34	
40 05 23	43-0618	EA	18" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	6,489.99	890.07
			<i>For Work In Restricted Working Space, Add</i>	476.83	
40 05 23	43-0619	EA	20" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	8,620.41	1,171.17
			<i>For Work In Restricted Working Space, Add</i>	627.41	
40 05 23	43-0620	EA	24" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	12,910.06	1,779.20
			<i>For Work In Restricted Working Space, Add</i>	952.81	
40 05 23	43-0621		Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23	43-0622		Pipe (40 05 23 43-0621)		
40 05 23	43-0623	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	14.42	3.40
			<i>For Work In Restricted Working Space, Add</i>	2.05	
40 05 23	43-0624	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	17.52	4.17
			<i>For Work In Restricted Working Space, Add</i>	2.50	
40 05 23	43-0625	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	21.43	4.92
			<i>For Work In Restricted Working Space, Add</i>	2.93	
40 05 23	43-0626	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	26.79	6.05
			<i>For Work In Restricted Working Space, Add</i>	3.66	
40 05 23	43-0627	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	30.85	6.82
			<i>For Work In Restricted Working Space, Add</i>	4.13	
40 05 23	43-0628	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	39.48	8.70
			<i>For Work In Restricted Working Space, Add</i>	5.12	
40 05 23	43-0629	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	48.90	9.84
			<i>For Work In Restricted Working Space, Add</i>	5.85	
40 05 23	43-0630	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	47.83	10.98
			<i>For Work In Restricted Working Space, Add</i>	6.58	
40 05 23	43-0631	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	78.34	12.87
			<i>For Work In Restricted Working Space, Add</i>	7.79	
40 05 23	43-0632	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	121.59	17.04
			<i>For Work In Restricted Working Space, Add</i>	10.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	214.99 19.51	30.20
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	271.48 21.46	33.38
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	337.75 23.84	36.96
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.07 25.89	43.16
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.37 27.48	45.81
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	118.58 30.21	50.36
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	136.56 32.95	54.89
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	143.37 36.32	60.58
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.59 40.46	67.39
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	234.42 51.74	86.32
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	285.99 60.57	101.08
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	390.64 72.58	121.15
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	797.97 90.67	151.44
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,343.00 153.26	238.41
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,442.79 204.35	317.88
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,456.17 306.53	476.83
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.62 25.89	43.16
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	113.92 27.48	45.81
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	123.01 30.21	50.36
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	132.06 32.93	54.89
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	150.94 36.36	60.58
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.10 40.46	67.39
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	231.88 51.77	86.32
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	261.46 60.65	101.08
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	346.59 72.64	121.15
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	600.31 90.86	151.44
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,059.72 153.26	238.41
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,734.61 204.35	317.88
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,385.04 306.53	476.83
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	161.93 32.91	54.89
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	186.90 40.40	67.39
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.54 45.39	75.72
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	256.73 51.79	86.32
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	237.52 55.59	92.75
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	256.93 60.62	101.08
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	390.85 72.64	121.15
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	421.88 90.98	151.44

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304	501.51	170.36
For Work In Restricted Working Space, Add	102.12	
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304	937.62	227.16
For Work In Restricted Working Space, Add	136.28	
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304	1,982.47	317.88
For Work In Restricted Working Space, Add	204.35	
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,500.43	476.83
For Work In Restricted Working Space, Add	306.53	
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,375.53	596.04
For Work In Restricted Working Space, Add	383.17	
40 05 23 43-0678 Reducers (40 05 23 43-0621)		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	114.42	41.64
For Work In Restricted Working Space, Add	25.01	
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	126.71	45.43
For Work In Restricted Working Space, Add	27.25	
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	156.68	50.36
For Work In Restricted Working Space, Add	30.21	
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	133.71	54.89
For Work In Restricted Working Space, Add	32.92	
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	147.16	60.58
For Work In Restricted Working Space, Add	36.36	
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	190.81	75.72
For Work In Restricted Working Space, Add	45.43	
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	211.36	86.32
For Work In Restricted Working Space, Add	51.72	
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	245.98	101.08
For Work In Restricted Working Space, Add	60.61	
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	317.13	128.72
For Work In Restricted Working Space, Add	77.16	
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	683.44	190.73
For Work In Restricted Working Space, Add	122.61	
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	892.98	238.41
For Work In Restricted Working Space, Add	153.26	
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,187.08	317.88
For Work In Restricted Working Space, Add	204.35	
40 05 23 43-0691 Flanges (40 05 23 43-0621)		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	66.43	17.42
For Work In Restricted Working Space, Add	10.45	
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	69.47	18.93
For Work In Restricted Working Space, Add	11.36	
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	82.34	25.37
For Work In Restricted Working Space, Add	15.22	
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	91.99	26.50
For Work In Restricted Working Space, Add	15.90	
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	106.93	30.29
For Work In Restricted Working Space, Add	18.17	
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	128.16	34.07
For Work In Restricted Working Space, Add	20.43	
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	174.50	43.54
For Work In Restricted Working Space, Add	26.12	
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	192.29	50.36
For Work In Restricted Working Space, Add	30.19	
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	263.78	68.15
For Work In Restricted Working Space, Add	40.89	
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	400.02	101.08
For Work In Restricted Working Space, Add	60.59	
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304	752.02	119.21
For Work In Restricted Working Space, Add	76.63	
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,158.04	139.07
For Work In Restricted Working Space, Add	89.40	
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304	1,610.53	158.94
For Work In Restricted Working Space, Add	102.18	
40 05 23 43-0705 Slip-On Flanges (40 05 23 43-0621)		
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	108.62	37.86
For Work In Restricted Working Space, Add	22.72	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	113.06	37.86
For Work In Restricted Working Space, Add	22.72	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	133.19	46.57
For Work In Restricted Working Space, Add	27.95	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	147.03	50.36
For Work In Restricted Working Space, Add	30.20	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	164.30	55.28
For Work In Restricted Working Space, Add	33.17	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	192.71	60.58
For Work In Restricted Working Space, Add	36.32	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	239.54	68.15
For Work In Restricted Working Space, Add	40.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304	261.94	75.72
<i>For Work In Restricted Working Space, Add</i>	45.40	
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304	357.80	101.47
<i>For Work In Restricted Working Space, Add</i>	60.88	
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304	542.77	151.44
<i>For Work In Restricted Working Space, Add</i>	90.78	
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304	1,630.65	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0717 Caps <small>(40 05 23 43-0621)</small>		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304	55.83	17.42
<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304	61.78	18.93
<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304	77.23	24.99
<i>For Work In Restricted Working Space, Add</i>	15.00	
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304	83.51	26.50
<i>For Work In Restricted Working Space, Add</i>	15.90	
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304	93.27	30.29
<i>For Work In Restricted Working Space, Add</i>	18.17	
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304	101.88	34.07
<i>For Work In Restricted Working Space, Add</i>	20.43	
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304	126.31	43.54
<i>For Work In Restricted Working Space, Add</i>	26.12	
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304	144.22	50.36
<i>For Work In Restricted Working Space, Add</i>	30.19	
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304	211.06	67.39
<i>For Work In Restricted Working Space, Add</i>	40.43	
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304	280.44	101.08
<i>For Work In Restricted Working Space, Add</i>	60.59	
40 05 23 43-0728 Reducing Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	148.85	54.89
<i>For Work In Restricted Working Space, Add</i>	27.42	
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	169.65	67.39
<i>For Work In Restricted Working Space, Add</i>	33.66	
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304	183.55	75.72
<i>For Work In Restricted Working Space, Add</i>	37.83	
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	236.31	86.32
<i>For Work In Restricted Working Space, Add</i>	43.14	
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	211.80	92.75
<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304	228.72	101.08
<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	365.31	121.15
<i>For Work In Restricted Working Space, Add</i>	60.52	
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304	383.28	151.44
<i>For Work In Restricted Working Space, Add</i>	75.84	
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304	460.94	170.36
<i>For Work In Restricted Working Space, Add</i>	85.12	
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304	909.96	227.16
<i>For Work In Restricted Working Space, Add</i>	113.49	
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304	1,999.07	317.88
<i>For Work In Restricted Working Space, Add</i>	170.30	
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304	3,578.00	476.83
<i>For Work In Restricted Working Space, Add</i>	255.44	
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304	4,472.50	596.04
<i>For Work In Restricted Working Space, Add</i>	319.31	
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0743 Pipe <small>(40 05 23 43-0742)</small>		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	14.19	3.49
<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	16.86	4.39
<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	21.22	5.29
<i>For Work In Restricted Working Space, Add</i>	3.15	
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	25.84	6.10
<i>For Work In Restricted Working Space, Add</i>	3.67	
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	30.01	6.91
<i>For Work In Restricted Working Space, Add</i>	4.17	
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	38.64	8.78
<i>For Work In Restricted Working Space, Add</i>	5.24	
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	52.45	10.41
<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	68.34	13.09
<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	91.63	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0753 90 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0754 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	37.13	13.09
<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0755 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	48.32	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0756 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	60.07	21.96
<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0757 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	86.80	30.09
<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0758 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	98.77	35.37
<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0759 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	129.15	42.78
<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0760 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	241.26	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0761 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	315.41	87.42
<i>For Work In Restricted Working Space, Add</i>	52.45	
40 05 23 43-0762 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	484.12	108.41
<i>For Work In Restricted Working Space, Add</i>	65.03	
40 05 23 43-0763 45 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0764 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	40.97	13.09
<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0765 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	52.78	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0766 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	62.31	21.96
<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0767 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	84.54	30.09
<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0768 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	99.92	35.37
<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0769 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	128.19	42.78
<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0770 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	274.48	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0771 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	379.06	87.42
<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0772 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	585.71	108.41
<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0773 Tees <small>(40 05 23 43-0742)</small>		
40 05 23 43-0774 EA 1/2" Tee, Stainless Steel Schedule 40 Type 316.....	55.09	19.84
<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0775 EA 3/4" Tee, Stainless Steel Schedule 40 Type 316.....	71.51	26.27
<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0776 EA 1" Tee, Stainless Steel Schedule 40 Type 316.....	85.13	32.53
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0777 EA 1-1/4" Tee, Stainless Steel Schedule 40 Type 316.....	126.04	45.22
<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0778 EA 1-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	143.37	50.83
<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 43-0779 EA 2" Tee, Stainless Steel Schedule 40 Type 316.....	192.18	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0780 EA 2-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	361.88	98.00
<i>For Work In Restricted Working Space, Add</i>	58.79	
40 05 23 43-0781 EA 3" Tee, Stainless Steel Schedule 40 Type 316.....	517.80	131.19
<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 23 43-0782 EA 4" Tee, Stainless Steel Schedule 40 Type 316.....	738.78	162.65
<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23 43-0783 Reducers <small>(40 05 23 43-0742)</small>		
40 05 23 43-0784 EA 3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	44.75	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0785 EA 1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	60.41	21.96
<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0786 EA 1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	85.23	30.09
<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0787 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316.....	102.62	35.37
<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0788 EA 2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	131.23	42.78
<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0789 EA 2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	243.16	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0790 EA 3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	321.61	87.42
<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0791 EA 4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	445.52	108.41
<i>For Work In Restricted Working Space, Add</i>	65.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0792				Unions <small>(40 05 23 43-0742)</small>		
				EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....	61.41	19.84
				<i>For Work In Restricted Working Space, Add</i>	11.90	
				EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....	80.18	26.27
				<i>For Work In Restricted Working Space, Add</i>	15.74	
				EA 1" Union, Stainless Steel Schedule 40 Type 316.....	109.31	32.53
				<i>For Work In Restricted Working Space, Add</i>	19.52	
				EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....	169.42	45.22
				<i>For Work In Restricted Working Space, Add</i>	27.11	
				EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....	196.43	50.83
				<i>For Work In Restricted Working Space, Add</i>	30.50	
				EA 2" Union, Stainless Steel Schedule 40 Type 316.....	260.75	67.74
				<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0799				Flanges <small>(40 05 23 43-0742)</small>		
				EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316.....	242.24	67.74
				<i>For Work In Restricted Working Space, Add</i>	40.67	
				EA 3" Flange, Stainless Steel Schedule 40 Type 316.....	293.47	87.42
				<i>For Work In Restricted Working Space, Add</i>	52.47	
				EA 4" Flange, Stainless Steel Schedule 40 Type 316.....	386.08	108.41
				<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0803				Caps <small>(40 05 23 43-0742)</small>		
				EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	17.05	6.59
				<i>For Work In Restricted Working Space, Add</i>	3.93	
				EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	23.22	8.78
				<i>For Work In Restricted Working Space, Add</i>	5.24	
				EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	30.10	10.82
				<i>For Work In Restricted Working Space, Add</i>	6.50	
				EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	52.75	15.37
				<i>For Work In Restricted Working Space, Add</i>	9.21	
				EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	60.10	17.32
				<i>For Work In Restricted Working Space, Add</i>	10.38	
				EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	76.27	21.96
				<i>For Work In Restricted Working Space, Add</i>	13.19	
				EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	117.09	32.53
				<i>For Work In Restricted Working Space, Add</i>	19.52	
				EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	157.50	42.78
				<i>For Work In Restricted Working Space, Add</i>	25.68	
				EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	241.32	54.25
				<i>For Work In Restricted Working Space, Add</i>	32.53	
40 05 23 43-0813				Type 316 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0814				Pipe <small>(40 05 23 43-0813)</small>		
				LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	14.92	3.40
				<i>For Work In Restricted Working Space, Add</i>	2.05	
				LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	17.65	4.17
				<i>For Work In Restricted Working Space, Add</i>	2.50	
				LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	21.04	4.92
				<i>For Work In Restricted Working Space, Add</i>	2.93	
				LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	25.07	6.14
				<i>For Work In Restricted Working Space, Add</i>	3.66	
				LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	28.61	6.89
				<i>For Work In Restricted Working Space, Add</i>	4.13	
				LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	35.66	8.56
				<i>For Work In Restricted Working Space, Add</i>	5.12	
				LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	45.38	9.76
				<i>For Work In Restricted Working Space, Add</i>	5.85	
				LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	53.16	10.98
				<i>For Work In Restricted Working Space, Add</i>	6.58	
				LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	65.86	13.02
				<i>For Work In Restricted Working Space, Add</i>	7.79	
				LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	108.07	17.11
				<i>For Work In Restricted Working Space, Add</i>	10.23	
				LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	178.27	30.36
				<i>For Work In Restricted Working Space, Add</i>	19.51	
				LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	230.99	33.38
				<i>For Work In Restricted Working Space, Add</i>	21.46	
				LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	264.61	37.11
				<i>For Work In Restricted Working Space, Add</i>	23.84	
				LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	327.19	41.73
				<i>For Work In Restricted Working Space, Add</i>	26.82	
				LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	359.55	47.69
				<i>For Work In Restricted Working Space, Add</i>	30.65	
				LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	401.90	55.63
				<i>For Work In Restricted Working Space, Add</i>	35.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0831	LF		20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	540.37	66.75
			<i>For Work In Restricted Working Space, Add</i>	42.92	
40 05 23 43-0832	LF		24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	705.75	83.44
			<i>For Work In Restricted Working Space, Add</i>	53.64	
40 05 23 43-0833			90 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0834	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	104.23	43.16
			<i>For Work In Restricted Working Space, Add</i>	25.89	
40 05 23 43-0835	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	110.46	45.81
			<i>For Work In Restricted Working Space, Add</i>	27.48	
40 05 23 43-0836	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	121.18	50.36
			<i>For Work In Restricted Working Space, Add</i>	30.21	
40 05 23 43-0837	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	142.59	54.89
			<i>For Work In Restricted Working Space, Add</i>	32.94	
40 05 23 43-0838	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	146.79	60.58
			<i>For Work In Restricted Working Space, Add</i>	36.31	
40 05 23 43-0839	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	169.37	67.39
			<i>For Work In Restricted Working Space, Add</i>	40.45	
40 05 23 43-0840	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	221.58	86.32
			<i>For Work In Restricted Working Space, Add</i>	51.72	
40 05 23 43-0841	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	263.88	101.08
			<i>For Work In Restricted Working Space, Add</i>	60.54	
40 05 23 43-0842	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	356.51	121.15
			<i>For Work In Restricted Working Space, Add</i>	72.53	
40 05 23 43-0843	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	630.28	151.44
			<i>For Work In Restricted Working Space, Add</i>	90.72	
40 05 23 43-0844	EA		8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,068.30	238.41
			<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0845	EA		10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,828.81	317.88
			<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-0846	EA		12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	2,120.84	476.83
			<i>For Work In Restricted Working Space, Add</i>	306.53	
40 05 23 43-0847	EA		14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	3,641.90	556.29
			<i>For Work In Restricted Working Space, Add</i>	357.62	
40 05 23 43-0848	EA		16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	4,554.40	635.77
			<i>For Work In Restricted Working Space, Add</i>	407.93	
40 05 23 43-0849	EA		18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	5,811.01	794.71
			<i>For Work In Restricted Working Space, Add</i>	510.89	
40 05 23 43-0850	EA		20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	9,644.66	1,112.60
			<i>For Work In Restricted Working Space, Add</i>	715.24	
40 05 23 43-0851	EA		24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	13,359.84	1,589.42
			<i>For Work In Restricted Working Space, Add</i>	1,021.77	
40 05 23 43-0852			45 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0853	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	112.07	43.16
			<i>For Work In Restricted Working Space, Add</i>	25.89	
40 05 23 43-0854	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	117.37	45.81
			<i>For Work In Restricted Working Space, Add</i>	27.48	
40 05 23 43-0855	EA		1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	129.73	50.36
			<i>For Work In Restricted Working Space, Add</i>	30.21	
40 05 23 43-0856	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	158.91	54.89
			<i>For Work In Restricted Working Space, Add</i>	32.92	
40 05 23 43-0857	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	147.54	60.58
			<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-0858	EA		2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	165.15	67.39
			<i>For Work In Restricted Working Space, Add</i>	40.45	
40 05 23 43-0859	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	222.92	86.32
			<i>For Work In Restricted Working Space, Add</i>	51.77	
40 05 23 43-0860	EA		3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	253.77	101.08
			<i>For Work In Restricted Working Space, Add</i>	60.67	
40 05 23 43-0861	EA		4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	333.41	121.15
			<i>For Work In Restricted Working Space, Add</i>	72.62	
40 05 23 43-0862	EA		6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	499.61	151.44
			<i>For Work In Restricted Working Space, Add</i>	90.86	
40 05 23 43-0863	EA		8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	855.17	238.41
			<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0864	EA		10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,454.07	317.88
			<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-0865	EA		12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	2,251.38	476.83
			<i>For Work In Restricted Working Space, Add</i>	306.53	
40 05 23 43-0866	EA		14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	2,822.16	556.29
			<i>For Work In Restricted Working Space, Add</i>	357.62	
40 05 23 43-0867	EA		16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	3,502.79	635.77
			<i>For Work In Restricted Working Space, Add</i>	407.93	
40 05 23 43-0868	EA		18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	4,829.67	794.71
			<i>For Work In Restricted Working Space, Add</i>	510.89	
40 05 23 43-0869	EA		20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	8,368.22	1,112.60
			<i>For Work In Restricted Working Space, Add</i>	715.24	
40 05 23 43-0870	EA		24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	11,287.08	1,589.42
			<i>For Work In Restricted Working Space, Add</i>	1,021.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0871 Tees <small>(40 05 23 43-0813)</small>						
40 05 23 43-0872	EA			1/2" Tees, Stainless Steel Schedule 5 Type 316.....	182.31	54.89
				<i>For Work In Restricted Working Space, Add</i>	32.91	
40 05 23 43-0873	EA			3/4" Tees, Stainless Steel Schedule 5 Type 316.....	207.28	67.39
				<i>For Work In Restricted Working Space, Add</i>	40.40	
40 05 23 43-0874	EA			1" Tees, Stainless Steel Schedule 5 Type 316.....	220.40	75.72
				<i>For Work In Restricted Working Space, Add</i>	45.39	
40 05 23 43-0875	EA			1-1/4" Tees, Stainless Steel Schedule 5 Type 316.....	290.84	86.32
				<i>For Work In Restricted Working Space, Add</i>	51.77	
40 05 23 43-0876	EA			1-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	254.31	92.75
				<i>For Work In Restricted Working Space, Add</i>	55.57	
40 05 23 43-0877	EA			2" Tees, Stainless Steel Schedule 5 Type 316.....	274.64	101.08
				<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 43-0878	EA			2-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	448.18	121.15
				<i>For Work In Restricted Working Space, Add</i>	72.62	
40 05 23 43-0879	EA			3" Tees, Stainless Steel Schedule 5 Type 316.....	438.03	151.44
				<i>For Work In Restricted Working Space, Add</i>	91.01	
40 05 23 43-0880	EA			4" Tees, Stainless Steel Schedule 5 Type 316.....	530.17	170.36
				<i>For Work In Restricted Working Space, Add</i>	102.14	
40 05 23 43-0881	EA			6" Tees, Stainless Steel Schedule 5 Type 316.....	1,027.77	227.16
				<i>For Work In Restricted Working Space, Add</i>	136.19	
40 05 23 43-0882	EA			8" Tee, Stainless Steel Schedule 5 Type 316.....	1,992.76	317.88
				<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-0883	EA			10" Tee, Stainless Steel Schedule 5 Type 316.....	3,082.83	476.83
				<i>For Work In Restricted Working Space, Add</i>	306.53	
40 05 23 43-0884	EA			12" Tee, Stainless Steel Schedule 5 Type 316.....	3,912.09	596.04
				<i>For Work In Restricted Working Space, Add</i>	383.17	
40 05 23 43-0885	EA			14" Tee, Stainless Steel Schedule 5 Type 316.....	4,984.77	715.24
				<i>For Work In Restricted Working Space, Add</i>	460.46	
40 05 23 43-0886	EA			16" Tee, Stainless Steel Schedule 5 Type 316.....	5,554.14	874.18
				<i>For Work In Restricted Working Space, Add</i>	561.71	
40 05 23 43-0887	EA			18" Tee, Stainless Steel Schedule 5 Type 316.....	6,775.58	1,112.60
				<i>For Work In Restricted Working Space, Add</i>	715.24	
40 05 23 43-0888	EA			20" Tee, Stainless Steel Schedule 5 Type 316.....	10,350.70	1,470.21
				<i>For Work In Restricted Working Space, Add</i>	941.11	
40 05 23 43-0889	EA			24" Tee, Stainless Steel Schedule 5 Type 316.....	15,876.86	2,225.19
				<i>For Work In Restricted Working Space, Add</i>	1,430.48	
40 05 23 43-0890 Reducers <small>(40 05 23 43-0813)</small>						
40 05 23 43-0891	EA			3/4" Reducer, Stainless Steel Schedule 5 Type 316.....	118.21	41.64
				<i>For Work In Restricted Working Space, Add</i>	25.01	
40 05 23 43-0892	EA			1" Reducer, Stainless Steel Schedule 5 Type 316.....	131.09	45.43
				<i>For Work In Restricted Working Space, Add</i>	27.25	
40 05 23 43-0893	EA			1-1/4" Reducer, Stainless Steel Schedule 5 Type 316.....	163.51	50.36
				<i>For Work In Restricted Working Space, Add</i>	30.21	
40 05 23 43-0894	EA			1-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	136.63	54.89
				<i>For Work In Restricted Working Space, Add</i>	32.92	
40 05 23 43-0895	EA			2" Reducer, Stainless Steel Schedule 5 Type 316.....	150.33	60.58
				<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-0896	EA			2-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	195.61	75.72
				<i>For Work In Restricted Working Space, Add</i>	45.43	
40 05 23 43-0897	EA			3" Reducer, Stainless Steel Schedule 5 Type 316.....	216.11	86.32
				<i>For Work In Restricted Working Space, Add</i>	51.72	
40 05 23 43-0898	EA			4" Reducer, Stainless Steel Schedule 5 Type 316.....	251.35	101.08
				<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 43-0899	EA			6" Reducer, Stainless Steel Schedule 5 Type 316.....	324.44	128.72
				<i>For Work In Restricted Working Space, Add</i>	77.16	
40 05 23 43-0900	EA			8" Reducer, Stainless Steel Schedule 5 Type 316.....	716.98	190.73
				<i>For Work In Restricted Working Space, Add</i>	122.61	
40 05 23 43-0901	EA			10" Reducer, Stainless Steel Schedule 5 Type 316.....	939.63	238.41
				<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-0902	EA			12" Reducer, Stainless Steel Schedule 5 Type 316.....	1,248.84	317.88
				<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-0903	EA			14" Reducer, Stainless Steel Schedule 5 Type 316.....	1,659.65	417.22
				<i>For Work In Restricted Working Space, Add</i>	268.22	
40 05 23 43-0904	EA			16" Reducer, Stainless Steel Schedule 5 Type 316.....	1,973.13	476.83
				<i>For Work In Restricted Working Space, Add</i>	305.66	
40 05 23 43-0905	EA			18" Reducer, Stainless Steel Schedule 5 Type 316.....	2,452.67	596.04
				<i>For Work In Restricted Working Space, Add</i>	383.17	
40 05 23 43-0906	EA			20" Reducer, Stainless Steel Schedule 5 Type 316.....	3,738.14	794.71
				<i>For Work In Restricted Working Space, Add</i>	510.89	
40 05 23 43-0907	EA			24" Reducer, Stainless Steel Schedule 5 Type 316.....	5,871.51	1,192.06
				<i>For Work In Restricted Working Space, Add</i>	766.33	
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>						
40 05 23 43-0909	EA			1/2" Flanges, Stainless Steel Schedule 5 Type 316.....	68.87	17.42
				<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23 43-0910	EA			3/4" Flanges, Stainless Steel Schedule 5 Type 316.....	71.91	18.93
				<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 43-0911	EA			1" Flanges, Stainless Steel Schedule 5 Type 316.....	84.79	25.37
				<i>For Work In Restricted Working Space, Add</i>	15.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.00 15.90	26.50
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	110.51 18.17	30.29
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	132.79 20.43	34.07
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	181.25 26.12	43.54
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	199.37 30.19	50.36
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	273.60 40.88	68.15
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	415.36 60.61	101.08
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	790.35 76.63	119.21
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,224.43 89.40	139.07
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,708.57 102.18	158.94
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,270.33 127.72	198.68
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,047.20 153.26	238.41
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,154.54 178.81	278.15
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,365.66 217.18	337.76
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	9,910.01 280.85	437.09
40 05 23 43-0927 Slip-On Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	111.16 22.72	37.86
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	115.94 22.72	37.86
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	136.28 27.95	46.57
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	150.62 30.21	50.36
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	168.45 33.17	55.28
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	198.20 36.31	60.58
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	247.49 40.88	68.15
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	270.47 45.39	75.72
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	369.71 60.87	101.47
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	561.11 90.72	151.44
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,717.09 153.26	238.41
40 05 23 43-0939 Caps <small>(40 05 23 43-0813)</small>		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	57.45 10.45	17.42
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	63.63 11.36	18.93
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	79.34 15.00	24.99
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	85.87 15.90	26.50
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.80 18.17	30.29
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	104.48 20.43	34.07
40 05 23 43-0946 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	129.34 26.12	43.54
40 05 23 43-0947 EA 3" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	147.59 30.19	50.36
40 05 23 43-0948 EA 4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	216.90 40.42	67.39
40 05 23 43-0949 EA 6" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	286.55 60.61	101.08
40 05 23 43-0950 Reducing Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0951 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	156.99 27.50	54.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0952 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	177.67 33.69	67.39
40 05 23 43-0953 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	213.68 37.86	75.72
40 05 23 43-0954 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	207.23 43.16	86.32
40 05 23 43-0955 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	226.24 46.38	92.75
40 05 23 43-0956 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.58 50.54	101.08
40 05 23 43-0957 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	325.93 60.58	121.15
40 05 23 43-0958 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	431.49 75.72	151.44
40 05 23 43-0959 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	825.70 86.52	173.02
40 05 23 43-0960 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,550.64 127.72	238.41
40 05 23 43-0961 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,524.00 170.30	317.88
40 05 23 43-0962 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,353.40 255.44	476.83
40 05 23 43-0963 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,288.11 306.88	572.98
40 05 23 43-0964 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,744.42 374.34	698.94
40 05 23 43-0965 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,763.88 476.83	890.07
40 05 23 43-0966 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,938.56 627.41	1,171.00
40 05 23 43-0967 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,726.51 952.81	1,779.35
 40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0968)		
40 05 23 43-0968 Pipe (40 05 23 43-0968)		
40 05 23 43-0970 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	14.83 2.05	3.40
40 05 23 43-0971 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.60 2.50	4.17
40 05 23 43-0972 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	23.57 2.93	4.92
40 05 23 43-0973 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.72 3.66	6.14
40 05 23 43-0974 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.92 4.13	6.89
40 05 23 43-0975 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	39.46 5.12	8.56
40 05 23 43-0976 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.37 5.85	9.76
40 05 23 43-0977 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	56.11 6.58	10.98
40 05 23 43-0978 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	70.81 7.79	13.02
40 05 23 43-0979 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	104.08 10.23	17.11
40 05 23 43-0980 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	172.17 19.51	30.36
40 05 23 43-0981 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	222.40 21.46	33.38
40 05 23 43-0982 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	267.53 23.84	37.11
40 05 23 43-0983 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	330.95 26.82	41.73
40 05 23 43-0984 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	363.60 30.65	47.69
40 05 23 43-0985 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	406.35 35.76	55.63
40 05 23 43-0986 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	569.05 42.92	66.75
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	743.80 53.64	83.44
 40 05 23 43-0988 90 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.70 25.89	43.16
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.00 27.48	45.81
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.09 30.21	50.36
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.77 32.95	54.89

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.83 36.32	60.58
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	162.96 40.46	67.39
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	212.28 51.74	86.32
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	252.09 60.57	101.08
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	335.63 72.58	121.15
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	569.97 90.67	151.44
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,121.73 153.26	238.41
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,814.39 204.35	317.88
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,799.54 306.53	476.83
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,596.26 357.62	556.29
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,494.10 407.93	635.77
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,728.84 510.89	794.71
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	9,515.93 715.24	1,112.60
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,171.04 1,021.77	1,589.42
40 05 23 43-1007 45 Degree Elbows <small>(40 05 23 43-0968)</small>		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.60 25.89	43.16
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	111.90 27.48	45.81
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	120.99 30.21	50.36
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	132.46 32.93	54.89
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	144.41 36.36	60.58
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	173.45 40.46	67.39
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	211.49 51.77	86.32
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	242.69 60.65	101.08
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	313.49 72.64	121.15
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	455.32 90.86	151.44
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	977.44 153.26	238.41
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,449.74 204.35	317.88
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,247.70 306.53	476.83
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,817.33 357.62	556.29
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,495.83 407.93	635.77
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,820.51 510.89	794.71
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,355.83 715.24	1,112.60
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,261.29 1,021.77	1,589.42
40 05 23 43-1026 Tees <small>(40 05 23 43-0968)</small>		
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	157.97 32.91	54.89
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	182.94 40.40	67.39
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	199.58 45.39	75.72
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	225.73 51.79	86.32
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	240.00 55.59	92.75
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	287.32 60.62	101.08
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	346.71 72.64	121.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1034 EA 3" Tees, Stainless Steel Schedule 10 Type 316.....	451.28	151.44
<i>For Work In Restricted Working Space, Add</i>	90.98	
40 05 23 43-1035 EA 4" Tees, Stainless Steel Schedule 10 Type 316.....	501.30	170.36
<i>For Work In Restricted Working Space, Add</i>	102.12	
40 05 23 43-1036 EA 6" Tees, Stainless Steel Schedule 10 Type 316.....	901.57	227.16
<i>For Work In Restricted Working Space, Add</i>	136.28	
40 05 23 43-1037 EA 8" Tee, Stainless Steel Schedule 10 Type 316.....	1,536.57	317.88
<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-1038 EA 10" Tee, Stainless Steel Schedule 10 Type 316.....	2,250.42	476.83
<i>For Work In Restricted Working Space, Add</i>	306.53	
40 05 23 43-1039 EA 12" Tee, Stainless Steel Schedule 10 Type 316.....	3,939.27	596.04
<i>For Work In Restricted Working Space, Add</i>	383.17	
40 05 23 43-1040 EA 14" Tee, Stainless Steel Schedule 10 Type 316.....	5,022.82	715.24
<i>For Work In Restricted Working Space, Add</i>	460.46	
40 05 23 43-1041 EA 16" Tee, Stainless Steel Schedule 10 Type 316.....	5,592.40	874.18
<i>For Work In Restricted Working Space, Add</i>	561.71	
40 05 23 43-1042 EA 18" Tee, Stainless Steel Schedule 10 Type 316.....	6,820.89	1,112.60
<i>For Work In Restricted Working Space, Add</i>	715.24	
40 05 23 43-1043 EA 20" Tee, Stainless Steel Schedule 10 Type 316.....	10,425.85	1,470.21
<i>For Work In Restricted Working Space, Add</i>	941.11	
40 05 23 43-1044 EA 24" Tee, Stainless Steel Schedule 10 Type 316.....	15,992.00	2,225.19
<i>For Work In Restricted Working Space, Add</i>	1,430.48	
40 05 23 43-1045 Reducers <small>(40 05 23 43-0968)</small>		
40 05 23 43-1046 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316.....	120.04	41.64
<i>For Work In Restricted Working Space, Add</i>	25.01	
40 05 23 43-1047 EA 1" Reducer, Stainless Steel Schedule 10 Type 316.....	133.21	45.43
<i>For Work In Restricted Working Space, Add</i>	27.26	
40 05 23 43-1048 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316.....	166.82	50.36
<i>For Work In Restricted Working Space, Add</i>	30.21	
40 05 23 43-1049 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	138.03	54.89
<i>For Work In Restricted Working Space, Add</i>	32.91	
40 05 23 43-1050 EA 2" Reducer, Stainless Steel Schedule 10 Type 316.....	151.84	60.58
<i>For Work In Restricted Working Space, Add</i>	36.35	
40 05 23 43-1051 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	197.92	75.72
<i>For Work In Restricted Working Space, Add</i>	45.43	
40 05 23 43-1052 EA 3" Reducer, Stainless Steel Schedule 10 Type 316.....	218.45	86.32
<i>For Work In Restricted Working Space, Add</i>	51.73	
40 05 23 43-1053 EA 4" Reducer, Stainless Steel Schedule 10 Type 316.....	253.95	101.08
<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 43-1054 EA 6" Reducer, Stainless Steel Schedule 10 Type 316.....	328.02	128.72
<i>For Work In Restricted Working Space, Add</i>	77.17	
40 05 23 43-1055 EA 8" Reducer, Stainless Steel Schedule 10 Type 316.....	733.21	190.73
<i>For Work In Restricted Working Space, Add</i>	122.61	
40 05 23 43-1056 EA 10" Reducer, Stainless Steel Schedule 10 Type 316.....	962.20	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-1057 EA 12" Reducer, Stainless Steel Schedule 10 Type 316.....	1,278.71	317.88
<i>For Work In Restricted Working Space, Add</i>	204.35	
40 05 23 43-1058 EA 14" Reducer, Stainless Steel Schedule 10 Type 316.....	1,699.94	417.22
<i>For Work In Restricted Working Space, Add</i>	268.22	
40 05 23 43-1059 EA 16" Reducer, Stainless Steel Schedule 10 Type 316.....	2,024.23	476.83
<i>For Work In Restricted Working Space, Add</i>	305.92	
40 05 23 43-1060 EA 18" Reducer, Stainless Steel Schedule 10 Type 316.....	2,514.54	596.04
<i>For Work In Restricted Working Space, Add</i>	383.17	
40 05 23 43-1061 EA 20" Reducer, Stainless Steel Schedule 10 Type 316.....	3,845.26	794.71
<i>For Work In Restricted Working Space, Add</i>	510.89	
40 05 23 43-1062 EA 24" Reducer, Stainless Steel Schedule 10 Type 316.....	6,046.09	1,192.06
<i>For Work In Restricted Working Space, Add</i>	766.33	
40 05 23 43-1063 Flanges <small>(40 05 23 43-0968)</small>		
40 05 23 43-1064 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	70.66	17.42
<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23 43-1065 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316.....	73.70	18.93
<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 43-1066 EA 1" Flanges, Stainless Steel Schedule 10 Type 316.....	86.57	25.37
<i>For Work In Restricted Working Space, Add</i>	15.22	
40 05 23 43-1067 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316.....	97.21	26.50
<i>For Work In Restricted Working Space, Add</i>	15.90	
40 05 23 43-1068 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	113.14	30.29
<i>For Work In Restricted Working Space, Add</i>	18.17	
40 05 23 43-1069 EA 2" Flanges, Stainless Steel Schedule 10 Type 316.....	136.20	34.07
<i>For Work In Restricted Working Space, Add</i>	20.43	
40 05 23 43-1070 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	186.21	43.54
<i>For Work In Restricted Working Space, Add</i>	26.12	
40 05 23 43-1071 EA 3" Flanges, Stainless Steel Schedule 10 Type 316.....	204.57	50.36
<i>For Work In Restricted Working Space, Add</i>	30.19	
40 05 23 43-1072 EA 4" Flanges, Stainless Steel Schedule 10 Type 316.....	280.85	68.15
<i>For Work In Restricted Working Space, Add</i>	40.89	
40 05 23 43-1073 EA 6" Flanges, Stainless Steel Schedule 10 Type 316.....	426.54	101.08
<i>For Work In Restricted Working Space, Add</i>	60.59	
40 05 23 43-1074 EA 8" Flange, Stainless Steel Schedule 10 Type 316.....	818.51	119.21
<i>For Work In Restricted Working Space, Add</i>	76.63	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316	1,273.19	139.07
<i>For Work In Restricted Working Space, Add</i>	89.40	
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316	1,780.57	158.94
<i>For Work In Restricted Working Space, Add</i>	102.18	
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316	2,367.42	198.68
<i>For Work In Restricted Working Space, Add</i>	127.72	
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316	3,180.69	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316	3,289.20	278.15
<i>For Work In Restricted Working Space, Add</i>	178.81	
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316	4,557.33	337.76
<i>For Work In Restricted Working Space, Add</i>	217.18	
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316	10,382.31	437.09
<i>For Work In Restricted Working Space, Add</i>	280.85	
40 05 23 43-1082 Slip-On Flanges (40 05 23 43-0968)		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316	113.03	37.86
<i>For Work In Restricted Working Space, Add</i>	22.72	
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316	118.05	37.86
<i>For Work In Restricted Working Space, Add</i>	22.72	
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316	138.55	46.57
<i>For Work In Restricted Working Space, Add</i>	27.95	
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316	153.24	50.36
<i>For Work In Restricted Working Space, Add</i>	30.20	
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316	171.49	55.28
<i>For Work In Restricted Working Space, Add</i>	33.17	
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316	202.31	60.58
<i>For Work In Restricted Working Space, Add</i>	36.32	
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316	253.36	68.15
<i>For Work In Restricted Working Space, Add</i>	40.89	
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316	276.76	75.72
<i>For Work In Restricted Working Space, Add</i>	45.40	
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316	378.53	101.47
<i>For Work In Restricted Working Space, Add</i>	60.88	
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316	574.93	151.44
<i>For Work In Restricted Working Space, Add</i>	90.78	
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316	1,780.58	238.41
<i>For Work In Restricted Working Space, Add</i>	153.26	
40 05 23 43-1094 Caps (40 05 23 43-0968)		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316	58.64	17.42
<i>For Work In Restricted Working Space, Add</i>	10.45	
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316	64.98	18.93
<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316	80.88	24.99
<i>For Work In Restricted Working Space, Add</i>	15.00	
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316	87.60	26.50
<i>For Work In Restricted Working Space, Add</i>	15.90	
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316	97.65	30.29
<i>For Work In Restricted Working Space, Add</i>	18.17	
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316	106.41	34.07
<i>For Work In Restricted Working Space, Add</i>	20.43	
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316	131.56	43.54
<i>For Work In Restricted Working Space, Add</i>	26.12	
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316	150.06	50.36
<i>For Work In Restricted Working Space, Add</i>	30.19	
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316	221.28	67.39
<i>For Work In Restricted Working Space, Add</i>	40.43	
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316	290.95	101.08
<i>For Work In Restricted Working Space, Add</i>	60.59	
40 05 23 43-1105 Reducing Tees (40 05 23 43-0968)		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316	162.18	54.89
<i>For Work In Restricted Working Space, Add</i>	27.50	
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316	200.59	67.39
<i>For Work In Restricted Working Space, Add</i>	33.69	
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316	223.41	75.72
<i>For Work In Restricted Working Space, Add</i>	37.86	
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316	250.00	86.32
<i>For Work In Restricted Working Space, Add</i>	43.16	
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316	279.19	92.75
<i>For Work In Restricted Working Space, Add</i>	46.38	
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316	418.45	101.08
<i>For Work In Restricted Working Space, Add</i>	50.54	
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316	418.23	121.15
<i>For Work In Restricted Working Space, Add</i>	60.58	
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316	517.24	151.44
<i>For Work In Restricted Working Space, Add</i>	75.72	
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316	941.96	173.02
<i>For Work In Restricted Working Space, Add</i>	86.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,675.62 127.72	238.41
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,642.69 170.30	317.88
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,741.19 255.44	476.83
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,119.45 306.88	572.98
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,683.41 374.34	698.94
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,072.26 476.83	890.07
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,728.48 627.41	1,171.17
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	16,052.94 952.81	1,779.20
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-1124 Pipe <small>(40 05 23 43-1123)</small>		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	16.97 2.05	3.40
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.59 2.50	4.17
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	25.34 2.93	4.92
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	31.67 3.66	6.05
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	36.56 4.13	6.82
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	46.99 5.12	8.70
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	58.74 5.85	9.84
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	56.49 6.58	10.98
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	95.86 7.79	12.87
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	150.86 10.23	17.04
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	265.16 19.51	30.20
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.37 21.46	33.38
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	424.15 23.84	36.96
40 05 23 43-1138 90 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	107.15 25.89	43.16
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.45 27.48	45.81
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.36 30.21	50.36
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	145.20 32.95	54.89
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	150.57 36.32	60.58
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.20 40.46	67.39
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	254.42 51.74	86.32
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	313.14 60.57	101.08
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	438.66 72.58	121.15
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	958.03 90.67	151.44
40 05 23 43-1149 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,611.67 153.26	238.41
40 05 23 43-1150 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,011.57 204.35	317.88
40 05 23 43-1151 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,242.17 306.53	476.83
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1153 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.82 25.89	43.16
40 05 23 43-1154 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.12 27.48	45.81

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1155 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.21 30.21	50.36
40 05 23 43-1156 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	139.26 32.93	54.89
40 05 23 43-1157 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	160.55 36.36	60.58
40 05 23 43-1158 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	176.19 40.46	67.39
40 05 23 43-1159 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	251.03 51.77	86.32
40 05 23 43-1160 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	280.61 60.65	101.08
40 05 23 43-1161 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	380.31 72.64	121.15
40 05 23 43-1162 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	696.34 90.86	151.44
40 05 23 43-1163 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,236.93 153.26	238.41
40 05 23 43-1164 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,074.73 204.35	317.88
40 05 23 43-1165 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,825.20 306.53	476.83
40 05 23 43-1166 Tees (40 05 23 43-1123)		
40 05 23 43-1167 EA 1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.79 32.91	54.89
40 05 23 43-1168 EA 3/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.76 40.40	67.39
40 05 23 43-1169 EA 1" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	220.40 45.39	75.72
40 05 23 43-1170 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	283.88 51.79	86.32
40 05 23 43-1171 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	254.38 55.59	92.75
40 05 23 43-1172 EA 2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	274.66 60.62	101.08
40 05 23 43-1173 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	438.87 72.64	121.15
40 05 23 43-1174 EA 3" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	460.18 90.98	151.44
40 05 23 43-1175 EA 4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	553.53 102.12	170.36
40 05 23 43-1176 EA 6" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,093.67 136.28	227.16
40 05 23 43-1177 EA 8" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,402.63 204.35	317.88
40 05 23 43-1178 EA 10" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,300.73 306.53	476.83
40 05 23 43-1179 EA 12" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,375.90 383.17	596.04
40 05 23 43-1180 Reducers (40 05 23 43-1123)		
40 05 23 43-1181 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.44 25.01	41.64
40 05 23 43-1182 EA 1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	138.29 27.25	45.43
40 05 23 43-1183 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.76 30.21	50.36
40 05 23 43-1184 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	141.45 32.92	54.89
40 05 23 43-1185 EA 2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.55 36.36	60.58
40 05 23 43-1186 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.52 45.43	75.72
40 05 23 43-1187 EA 3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	223.94 51.72	86.32
40 05 23 43-1188 EA 4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	260.18 60.61	101.08
40 05 23 43-1189 EA 6" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	336.48 77.16	128.72
40 05 23 43-1190 EA 8" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	772.14 122.61	190.73
40 05 23 43-1191 EA 10" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,016.35 153.26	238.41
40 05 23 43-1192 EA 12" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,350.42 204.35	317.88
40 05 23 43-1193 Flanges (40 05 23 43-1123)		
40 05 23 43-1194 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	74.96 10.45	17.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1195 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 316	78.00	18.93
For Work In Restricted Working Space, Add	11.36	
40 05 23 43-1196 EA 1" Flanges, Stainless Steel Schedule 40 Type 316	90.87	25.37
For Work In Restricted Working Space, Add	15.22	
40 05 23 43-1197 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	102.51	26.50
For Work In Restricted Working Space, Add	15.90	
40 05 23 43-1198 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	119.44	30.29
For Work In Restricted Working Space, Add	18.17	
40 05 23 43-1199 EA 2" Flanges, Stainless Steel Schedule 40 Type 316	144.37	34.07
For Work In Restricted Working Space, Add	20.43	
40 05 23 43-1200 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	198.10	43.54
For Work In Restricted Working Space, Add	26.12	
40 05 23 43-1201 EA 3" Flanges, Stainless Steel Schedule 40 Type 316	217.04	50.36
For Work In Restricted Working Space, Add	30.19	
40 05 23 43-1202 EA 4" Flanges, Stainless Steel Schedule 40 Type 316	298.19	68.15
For Work In Restricted Working Space, Add	40.89	
40 05 23 43-1203 EA 6" Flanges, Stainless Steel Schedule 40 Type 316	453.49	101.08
For Work In Restricted Working Space, Add	60.59	
40 05 23 43-1204 EA 8" Flange, Stainless Steel Schedule 40 Type 316	886.08	119.21
For Work In Restricted Working Space, Add	76.63	
40 05 23 43-1205 EA 10" Flange, Stainless Steel Schedule 40 Type 316	1,390.21	139.07
For Work In Restricted Working Space, Add	89.40	
40 05 23 43-1206 EA 12" Flange, Stainless Steel Schedule 40 Type 316	1,953.36	158.94
For Work In Restricted Working Space, Add	102.18	
40 05 23 43-1207 Slip-On Flanges (40 05 23 43-1123)		
40 05 23 43-1208 EA 1/2" Flange, Stainless Steel Schedule 40 Type 316	117.50	37.86
For Work In Restricted Working Space, Add	22.72	
40 05 23 43-1209 EA 3/4" Flange, Stainless Steel Schedule 40 Type 316	123.13	37.86
For Work In Restricted Working Space, Add	22.72	
40 05 23 43-1210 EA 1" Flange, Stainless Steel Schedule 40 Type 316	144.00	46.57
For Work In Restricted Working Space, Add	27.95	
40 05 23 43-1211 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 316	159.54	50.36
For Work In Restricted Working Space, Add	30.20	
40 05 23 43-1212 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 316	178.80	55.28
For Work In Restricted Working Space, Add	33.17	
40 05 23 43-1213 EA 2" Flange, Stainless Steel Schedule 40 Type 316	212.05	60.58
For Work In Restricted Working Space, Add	36.32	
40 05 23 43-1214 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	267.41	68.15
For Work In Restricted Working Space, Add	40.89	
40 05 23 43-1215 EA 3" Flange, Stainless Steel Schedule 40 Type 316	291.81	75.72
For Work In Restricted Working Space, Add	45.40	
40 05 23 43-1216 EA 4" Flange, Stainless Steel Schedule 40 Type 316	399.60	101.47
For Work In Restricted Working Space, Add	60.88	
40 05 23 43-1217 EA 6" Flange, Stainless Steel Schedule 40 Type 316	607.61	151.44
For Work In Restricted Working Space, Add	90.78	
40 05 23 43-1218 EA 8" Flange, Stainless Steel Schedule 40 Type 316	1,932.94	238.41
For Work In Restricted Working Space, Add	153.26	
40 05 23 43-1219 Caps (40 05 23 43-1123)		
40 05 23 43-1220 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316	61.49	17.42
For Work In Restricted Working Space, Add	10.45	
40 05 23 43-1221 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316	68.24	18.93
For Work In Restricted Working Space, Add	11.36	
40 05 23 43-1222 EA 1" Cap, Stainless Steel Schedule 40 Type 316	84.59	24.99
For Work In Restricted Working Space, Add	15.00	
40 05 23 43-1223 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	91.75	26.50
For Work In Restricted Working Space, Add	15.90	
40 05 23 43-1224 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	102.10	30.29
For Work In Restricted Working Space, Add	18.17	
40 05 23 43-1225 EA 2" Cap, Stainless Steel Schedule 40 Type 316	111.00	34.07
For Work In Restricted Working Space, Add	20.43	
40 05 23 43-1226 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	136.90	43.54
For Work In Restricted Working Space, Add	26.12	
40 05 23 43-1227 EA 3" Cap, Stainless Steel Schedule 40 Type 316	155.99	50.36
For Work In Restricted Working Space, Add	30.19	
40 05 23 43-1228 EA 4" Cap, Stainless Steel Schedule 40 Type 316	231.66	67.39
For Work In Restricted Working Space, Add	40.43	
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316	301.62	101.08
For Work In Restricted Working Space, Add	60.59	
40 05 23 43-1230 Reducing Tees (40 05 23 43-1123)		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	167.40	54.89
For Work In Restricted Working Space, Add	27.42	
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	188.20	67.39
For Work In Restricted Working Space, Add	33.66	
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316	202.10	75.72
For Work In Restricted Working Space, Add	37.83	
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	266.18	86.32
For Work In Restricted Working Space, Add	43.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	230.35	92.75
For Work In Restricted Working Space, Add	46.31	
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	248.22	101.08
For Work In Restricted Working Space, Add	50.51	
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	418.13	121.15
For Work In Restricted Working Space, Add	60.52	
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	425.41	151.44
For Work In Restricted Working Space, Add	75.84	
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	518.16	170.36
For Work In Restricted Working Space, Add	85.12	
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	1,081.62	227.16
For Work In Restricted Working Space, Add	113.49	
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	2,461.24	317.88
For Work In Restricted Working Space, Add	170.30	
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	4,458.32	476.83
For Work In Restricted Working Space, Add	255.44	
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	5,572.90	596.04
For Work In Restricted Working Space, Add	319.31	
40 05 23 43-1244 Valves (40 05 23 43-0231)		
40 05 23 43-1245 Gate Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	500.61	38.63
For Work In Restricted Working Space, Add	23.18	
For Class 200, Deduct	-113.24	
For Class 300, Add	397.94	
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	537.02	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-121.90	
For Class 300, Add	428.35	
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged.....	635.77	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-148.31	
For Class 300, Add	521.17	
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	816.35	54.09
For Work In Restricted Working Space, Add	32.45	
For Class 200, Deduct	-189.44	
For Class 300, Add	665.68	
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	920.85	67.90
For Work In Restricted Working Space, Add	40.75	
For Class 200, Deduct	-210.00	
For Class 300, Add	737.93	
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,109.59	90.27
For Work In Restricted Working Space, Add	54.17	
For Class 200, Deduct	-248.51	
For Class 300, Add	873.28	
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged.....	1,618.65	116.30
For Work In Restricted Working Space, Add	69.79	
For Class 300, Add	1,302.86	
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged.....	1,824.70	135.41
For Work In Restricted Working Space, Add	81.22	
For Class 300, Add	1,460.73	
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged.....	2,334.27	173.23
For Work In Restricted Working Space, Add	103.91	
For Class 300, Add	1,868.63	
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged.....	3,862.08	203.32
For Work In Restricted Working Space, Add	121.99	
For Class 300, Add	3,248.11	
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged.....	8,371.62	232.19
For Work In Restricted Working Space, Add	139.26	
For Class 300, Add	7,432.97	
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged.....	11,807.56	284.65
For Work In Restricted Working Space, Add	170.86	
For Class 300, Add	10,563.75	
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged.....	17,792.84	344.83
For Work In Restricted Working Space, Add	206.98	
For Class 300, Add	16,076.74	
40 05 23 43-1259 Globe Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	675.26	38.63
For Work In Restricted Working Space, Add	23.17	
For Class 200, Deduct	-159.97	
For Class 300, Add	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	740.02	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-176.20	
For Class 300, Add	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	900.07	42.69
For Work In Restricted Working Space, Add	25.61	
For Class 200, Deduct	-217.93	
For Class 300, Add	765.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,349.15 40.73 -324.58 1,140.58	67.90
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,662.62 54.17 -396.45 1,393.15	90.27
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,352.67 69.76 2,932.94	116.30
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,477.55 81.22 3,014.41	135.41
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,073.20 103.91 3,503.22	173.23
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,470.29 121.99 6,639.83	203.32
40 05 23 43-1269 Check Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,552.02 69.76 1,240.33	116.30
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,631.38 81.22 1,279.01	135.41
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,463.94 103.91 1,990.52	173.23
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,191.24 121.99 3,557.52	203.32
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,312.52 139.26 6,437.42	232.19
40 05 23 43-1275 Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing (40 05 23 43-1275)		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	14.65	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	18.13	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	21.91	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1275) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	48.65	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	52.86	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	81.15	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	45.41	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	74.95	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	56.06	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	70.44	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	108.52	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	69.18	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	106.52	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.24	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	87.29	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	144.97	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	119.97	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	147.52	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1275)		
40 05 23 43-1297 Needle Valves (40 05 23 43-1296)		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	279.28	
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	445.23	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1296)		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	268.05	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1296)		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,122.45	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	278.95	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	52.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR								
CSI	UOM	DESCRIPTION						

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

END OF SECTION 40



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI 2,385.96

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 1,972.07

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 41 Non-pressurized Tanks And Vessels ^(43 40)

43 41 31 Metallic Specialty Tanks ^(43 41)

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)

43 41 31 00-0002	EA	250 Gallon LP Gas Storage Tank	1,862.37	46.77
43 41 31 00-0003	EA	500 Gallon LP Gas Storage Tank	2,536.22	56.13
43 41 31 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,415.48	65.48

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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