

**GORDIAN**<sup>®</sup>

# **Job Order Contract Construction Task Catalog<sup>®</sup>**

CSI Divisions 01-50 2026

**County of Monterey Public Works**

**Striping And Signage**



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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Monterey**, priced locally using current labor, material and equipment costs, and published in May 2026.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Monterey**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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## The Unit Prices Include:

### LABOR COSTS:

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

### EQUIPMENT COSTS:

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

### MATERIAL COSTS:

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

## The Adjustment Factors Include:

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

### BUSINESS COSTS:

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

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

### PROJECT RELATED COSTS:

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

- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

### SUMMARY:

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

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

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification

shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

## **DEMOLITION:**

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

## **WORKING HEIGHT:**

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

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### FIELD ENGINEERING:

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

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

### Or Equals:

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

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

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

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

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

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

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

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

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

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

**CONVERSIONS:**

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

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

**1 Centimeter** = 0.3937 Inches = 0.0328 Feet

**1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters

**1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet

**1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters

**1 Foot** = 12 Inches = 0.3048 Meters

**1 Inch** = 2.54 Centimeters = 0.0254 Meters

**1 Kilogram** = 2.2046 Pounds

**1 Kilometer** = 0.6214 Miles = 3280 Feet

**1 Meter** = 100 Centimeters = 3.2808 Feet

**1 Mile** = 5280 Feet = 1.6093 Kilometers

**1 Pound** = 0.4536 Kilograms

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

**1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet

**1 Square Yard** = 9 Square Feet = 0.8361 Square Meters

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**1 Ton =** 2000 Pounds = 907.185 Kilograms

**1 Yard =** 3 Feet = 0.9144 Meters

**TRADEMARKS**

- ☑ Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting Complete Management, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, and DMAP are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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

**STANDARD GEOMETRY:**

**Circle**

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

**Cylinder**

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

**Sphere**

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

**$\pi = 3.14159$**

**United Inch**

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



<b>General Requirements</b>			<b>01</b>
Summary			01 10
Summary Of Work			01 11

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

### 01 10 Summary <sup>(01)</sup>

#### 01 11 Summary Of Work <sup>(01 10)</sup>

##### 01 11 13 Work Covered by Contract Documents <sup>(01 11)</sup>

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-001	NTE	Work Covered by Contract Documents .....	0.00
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Note: For specification publishing. Review specifications for requirements.

### 01 20 Price and Payment Procedures <sup>(01)</sup>

#### 01 22 Unit Prices <sup>(01 20)</sup>

##### 01 22 16 Unit Price Payment <sup>(01 22)</sup>

##### 01 22 16 00-001 Negotiated Travel Costs <sup>(01 22 16)</sup>

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

01 22 16 00-002	EA	Negotiated Travel Costs .....	1.00
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Note: Supporting documentation must be included with each Work Order.

##### 01 22 16 00-0003 Reimbursable Fees <sup>(01 22 16)</sup>

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

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

#### 01 22 20 Wage Rates <sup>(01 22)</sup>

##### 01 22 20 00-0001 Local Labor/Wage Rates <sup>(01 22 20)</sup>

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

01 22 20 00-0002	HR	Asbestos Removal Worker .....	99.89
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 4.99

*For Apprentice, Deduct* -19.98

01 22 20 00-0003	HR	Brick Layer .....	117.50
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 5.88

*For Apprentice, Deduct* -23.50

01 22 20 00-0004	HR	Carpenter .....	141.57
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 7.08

*For Apprentice, Deduct* -28.31

01 22 20 00-0005	HR	Carpenter, Bridge Builder .....	157.80
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 7.89

*For Apprentice, Deduct* -31.56

01 22 20 00-0006	HR	Cement Mason .....	105.27
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 5.26

*For Apprentice, Deduct* -21.05

01 22 20 00-0007	HR	Electrician, Inside Wireman .....	134.58
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 6.73

*For Apprentice, Deduct* -26.92

01 22 20 00-0008	HR	Electrician, Cable Splicer .....	147.42
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 7.37

*For Apprentice, Deduct* -29.48

01 22 20 00-0009	HR	Electrical Groundman .....	147.42
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Note: For tasks not included in the Construction Task Catalog® and requested specifically by the owner for miscellaneous work not covered in the CTC.

*For Foreperson, Add* 7.37

*For Apprentice, Deduct* -29.48

01 22 20 00-0010	HR	High Voltage Electrician, Utility Lineman .....	144.29
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* 7.21

*For Apprentice, Deduct* -28.86

01 22 20 00-0011	HR	Communication And System Technician .....	126.88
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

*For Foreperson, Add* -25.38

01 22 20 00-0012	HR	Equipment Operator, Crane, Group 1-A .....	139.43
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013 HR Equipment Operator, Crane, Group 2-A .....	136.97	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.85	
01 22 20 00-0014 HR Equipment Operator, Crane, Group 3-A .....	134.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0015 HR Equipment Operator, Medium, Group 3 .....	134.04	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.70	
<i>For Apprentice, Deduct</i>	-26.81	
01 22 20 00-0016 HR Equipment Operator, Medium, Group 4 .....	132.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017 HR Equipment Operator, Medium, Group 5 .....	130.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0018 HR Equipment Operator, Light, Group 6 .....	128.48	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.42	
<i>For Apprentice, Deduct</i>	-25.70	
01 22 20 00-0019 HR Equipment Operator, Light, Group 7 .....	126.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020 HR Equipment Operator, Light, Group 8 .....	125.32	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0021 HR Laborer .....	95.29	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022 HR Landscape Maintenance Laborer .....	95.29	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0023 HR Millwright .....	137.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.88	
<i>For Apprentice, Deduct</i>	-27.50	
01 22 20 00-0024 HR Mold Removal Worker .....	99.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.98	
<i>For Apprentice, Deduct</i>	-19.90	
01 22 20 00-0025 HR Painter, Ordinary .....	114.47	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.72	
<i>For Apprentice, Deduct</i>	-22.89	
01 22 20 00-0026 HR Painter, Structural Steel .....	119.18	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.96	
<i>For Apprentice, Deduct</i>	-23.84	
01 22 20 00-0027 HR Pile Drivers .....	151.42	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	7.57	
<i>For Apprentice, Deduct</i>	-30.28	
01 22 20 00-0028 HR Plasterer .....	126.75	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.34	
<i>For Apprentice, Deduct</i>	-25.35	
01 22 20 00-0029 HR Plumber .....	133.62	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.68	
<i>For Apprentice, Deduct</i>	-26.72	
01 22 20 00-0030 HR Powderman .....	99.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.99	
<i>For Apprentice, Deduct</i>	-19.98	
01 22 20 00-0031 HR Rodman (Reinforcing)/Ornamental Steel Worker .....	115.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.76	
<i>For Apprentice, Deduct</i>	-23.02	
01 22 20 00-0032 HR Sheet Metal Worker .....	146.79	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	7.34	
<i>For Apprentice, Deduct</i>	-29.36	
01 22 20 00-0033 HR Stone Mason .....	117.50	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.88	
<i>For Apprentice, Deduct</i>	-23.50	
01 22 20 00-0034 HR Iron Worker, Structural .....	118.56	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.93	
<i>For Apprentice, Deduct</i>	-23.71	
01 22 20 00-0035 HR Tile Layer .....	115.11	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.76	
<i>For Apprentice, Deduct</i>	-23.02	
01 22 20 00-0036 HR Terrazzo Worker .....	123.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.20	
<i>For Apprentice, Deduct</i>	-24.80	
01 22 20 00-0037 HR Truck Driver, Light, Group 1 .....	99.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.99	
<i>For Apprentice, Deduct</i>	-19.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0038 HR Truck Driver, Medium, Group 2.....	100.34	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0039 HR Truck Driver, Heavy, Group 3.....	100.79	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>		
	5.04	
<i>For Apprentice, Deduct</i>		
	-20.16	
01 22 20 00-0040 HR Truck Driver, Heavy, Group 4.....	101.31	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0041 HR Welder.....	118.56	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>		
	5.93	
<i>For Apprentice, Deduct</i>		
	-23.71	
01 22 20 00-0042 HR D1 Certified Welder.....	138.11	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<b>01 22 20 00-0043 Rates For Services (01 22 20)</b>		
01 22 20 00-0044 HR Watch/Guard Person, Unarmed.....	36.07	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0045 HR Watch/Guard Person, Armed.....	44.31	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046 HR Senior Surveyor, Party Chief.....	140.87	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0047 HR Surveyor, Instrument Person.....	126.02	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048 HR Surveyor, Rod Person.....	123.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049 HR On-Site Certified Materials Testing Technician.....	92.42	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050 HR Certified Industrial Hygienist.....	126.40	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0051 MI Mileage For Professional Services (Engineering, Surveying, etc.).....	0.72	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0052 EA Security Badge, Processing Fee.....	95.36	
01 22 20 00-0053 HR Biologist.....	123.30	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0054 HR Ecologist.....	143.85	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0055 HR Fire Watch Laborer.....	95.29	
Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
<b>01 22 20 00-0056 Rates For Project Management Services (01 22 20)</b>		
Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0057 HR Project Manager.....	160.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<b>01 22 20 00-0058 Rates For Architectural And Engineering Services (01 22 20)</b>		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0059 HR Principal Architect.....	243.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0060 HR Senior Architect.....	179.38	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0061 HR Architect.....	140.62	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0062 HR Principal Engineer.....	210.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063 HR Senior Engineer.....	174.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0064 HR Engineer.....	137.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0065 HR Draft Person.....	71.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<b>01 22 20 00-0066 Rates For Traffic Control (01 22 20)</b>		
01 22 20 00-0067 HR Flagperson For Traffic Control.....	95.29	
01 22 20 00-0068 DAY Pilot Vehicle With Driver.....	1,172.63	
Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0069 HR Highway Patrol Officer With Car.....	49.31	
<i>For Each Mile, Add</i>		
	0.72	
01 22 20 00-0070 HR Highway Patrol Officer With Motorcycle.....	46.81	
<i>For Each Mile, Add</i>		
	0.72	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0071 HR Highway Patrol Sergeant Officer With Car.....	58.17	
For Each Mile, Add	0.72	
01 22 20 00-0072 HR Highway Patrol Sergeant Officer With Motorcycle.....	55.67	
For Each Mile, Add	0.72	
<b>01 22 20 00-0073 Transport And Escort Vehicles</b> <small>(01 22 20)</small>		
01 22 20 00-0074 HR Escort Vehicle With Driver.....	108.46	
01 22 20 00-0075 HR Transport Vehicle With Driver.....	154.58	
<b>01 22 23 Equipment Usage</b> <small>(01 22)</small>		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0066 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
<b>01 22 23 00-0001 Aerial Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0002 Man Lifts</b> <small>(01 22 23 00-0001)</small>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0003 Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>		
<b>01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0003)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	454.00	
For Four-Wheel Drive, Add	102.15	
For Half Day Usage, Deduct	-141.88	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,142.31	
For Four-Wheel Drive, Add	257.02	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,562.88	
For Four-Wheel Drive, Add	576.65	
For >6 Months (>26 Weeks), Deduct	-102.52	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	666.35	
For Four-Wheel Drive, Add	149.93	
For Half Day Usage, Deduct	-208.23	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,588.98	
For Four-Wheel Drive, Add	357.52	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,478.19	
For Four-Wheel Drive, Add	782.59	
For >6 Months (>26 Weeks), Deduct	-139.13	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,296.08	
For Four-Wheel Drive, Add	291.62	
For Half Day Usage, Deduct	-405.03	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,141.35	
For Four-Wheel Drive, Add	706.80	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Man Lift With Platform.....	6,590.25	
For Four-Wheel Drive, Add	1,482.81	
For >6 Months (>26 Weeks), Deduct	-263.61	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,845.27	
For Four-Wheel Drive, Add	415.19	
For Half Day Usage, Deduct	-576.65	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Man Lift With Platform.....	4,443.29	
For Four-Wheel Drive, Add	999.74	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Man Lift With Platform.....	11,071.62	
For Four-Wheel Drive, Add	2,491.11	
For >6 Months (>26 Weeks), Deduct	-442.86	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,248.01	
For Four-Wheel Drive, Add	505.80	
For Half Day Usage, Deduct	-702.50	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Man Lift With Platform.....	5,733.52	
For Four-Wheel Drive, Add	1,290.04	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Man Lift With Platform.....	13,034.05	
For Four-Wheel Drive, Add	2,932.66	
For >6 Months (>26 Weeks), Deduct	-521.36	
<b>01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>		
<b>01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform</b> <small>(01 22 23 00-0020)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	404.80	
For Half Day Usage, Deduct	-126.50	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,015.68	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,443.52	
For >6 Months (>26 Weeks), Deduct	-97.74	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	515.20	
For Half Day Usage, Deduct	-161.00	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,126.08	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,795.33	
For >6 Months (>26 Weeks), Deduct	-111.81	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	662.40	
For Half Day Usage, Deduct	-207.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,530.88	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,422.40	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-136.90	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,155.52	
<i>For Half Day Usage, Deduct</i>	-361.10	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,723.20	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	6,622.53	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-264.90	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,244.80	
<i>For Half Day Usage, Deduct</i>	-701.50	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	5,299.20	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	12,953.60	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-518.14	
<b>01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)</b>		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	404.80	
<i>For Half Day Usage, Deduct</i>	-126.50	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,015.68	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,443.52	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-97.74	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	404.80	
<i>For Half Day Usage, Deduct</i>	-126.50	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,015.68	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,443.52	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-97.74	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	500.48	
<i>For Half Day Usage, Deduct</i>	-156.40	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,081.92	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,686.40	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-107.46	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	500.48	
<i>For Half Day Usage, Deduct</i>	-156.40	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,081.92	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,686.40	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-107.46	
<b>01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)</b>		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift .....	186.31	
<i>For Half Day Usage, Deduct</i>	-58.22	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift .....	372.61	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift .....	762.16	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-30.49	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift .....	203.24	
<i>For Half Day Usage, Deduct</i>	-63.51	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift .....	406.49	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift .....	812.98	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-32.52	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift .....	262.52	
<i>For Half Day Usage, Deduct</i>	-82.04	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift .....	525.05	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift .....	1,126.31	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-45.05	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift .....	338.74	
<i>For Half Day Usage, Deduct</i>	-105.86	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift .....	669.01	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift .....	1,481.99	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-59.28	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift .....	364.15	
<i>For Half Day Usage, Deduct</i>	-113.80	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift .....	711.35	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift .....	1,609.02	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-64.36	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift .....	474.24	
<i>For Half Day Usage, Deduct</i>	-148.20	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift .....	1,177.12	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift .....	3,277.31	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-131.09	
<b>01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)</b>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift .....	413.42	
<i>For Four-Wheel Drive, Add</i>	82.68	
<i>For Half Day Usage, Deduct</i>	-129.19	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift .....	808.46	
<i>For Four-Wheel Drive, Add</i>	161.69	

<b>01</b>	<b>General Requirements</b>
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<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift .....	1,975.20	
For Four-Wheel Drive, Add	395.04	
For >6 Months (>26 Weeks), Deduct	-79.01	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift .....	422.60	
For Four-Wheel Drive, Add	84.52	
For Half Day Usage, Deduct	-132.06	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift .....	964.64	
For Four-Wheel Drive, Add	192.93	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift .....	2,113.01	
For Four-Wheel Drive, Add	422.60	
For >6 Months (>26 Weeks), Deduct	-84.52	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift .....	468.54	
For Four-Wheel Drive, Add	93.71	
For Half Day Usage, Deduct	-146.42	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift .....	1,074.88	
For Four-Wheel Drive, Add	214.98	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift .....	2,388.62	
For Four-Wheel Drive, Add	477.72	
For >6 Months (>26 Weeks), Deduct	-95.54	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift .....	496.10	
For Four-Wheel Drive, Add	99.22	
For Half Day Usage, Deduct	-155.03	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift .....	1,157.56	
For Four-Wheel Drive, Add	231.51	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift .....	2,847.97	
For Four-Wheel Drive, Add	569.59	
For >6 Months (>26 Weeks), Deduct	-113.92	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift .....	927.89	
For Four-Wheel Drive, Add	185.58	
For Half Day Usage, Deduct	-289.97	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift .....	2,039.51	
For Four-Wheel Drive, Add	407.90	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift .....	5,016.10	
For Four-Wheel Drive, Add	1,003.22	
For >6 Months (>26 Weeks), Deduct	-200.64	
<b>01 22 23 00-0086 Personnel Lifts</b> (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift .....	151.93	
For Half Day Usage, Deduct	-47.48	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift .....	430.47	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift .....	869.37	
For >6 Months (>26 Weeks), Deduct	-34.77	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift .....	211.01	
For Half Day Usage, Deduct	-65.94	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift .....	447.35	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift .....	1,519.29	
For >6 Months (>26 Weeks), Deduct	-60.77	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift .....	354.50	
For Half Day Usage, Deduct	-110.78	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift .....	860.93	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift .....	2,515.27	
For >6 Months (>26 Weeks), Deduct	-100.61	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift .....	379.82	
For Half Day Usage, Deduct	-118.69	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift .....	945.34	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift .....	2,844.45	
For >6 Months (>26 Weeks), Deduct	-113.78	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift .....	202.57	
For Half Day Usage, Deduct	-63.30	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift .....	405.14	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift .....	810.29	
For >6 Months (>26 Weeks), Deduct	-32.41	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift .....	202.57	
For Half Day Usage, Deduct	-63.30	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift .....	405.14	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift .....	842.36	
For >6 Months (>26 Weeks), Deduct	-33.69	
<b>01 22 23 00-0105 Bucket Trucks</b> (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 29' To 33' Bucket Truck With Full-Time Operator .....	1,412.26	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-592.52	
01 22 23 00-0107 WK 29' To 33' Bucket Truck With Full-Time Operator .....	5,849.42	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0108 MO 29' To 33' Bucket Truck With Full-Time Operator .....	22,097.50	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-185.09	
01 22 23 00-0109 DAY 38' To 41' Bucket Truck With Full-Time Operator .....	1,489.37	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-616.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0110 WK 38' To 41' Bucket Truck With Full-Time Operator .....	6,097.31	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0111 MO 38' To 41' Bucket Truck With Full-Time Operator .....	22,758.52	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-211.53	
01 22 23 00-0112 DAY 45' To 48' Bucket Truck With Full-Time Operator .....	1,687.68	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-678.59	
01 22 23 00-0113 WK 45' To 48' Bucket Truck With Full-Time Operator .....	6,455.36	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0114 MO 45' To 48' Bucket Truck With Full-Time Operator .....	23,529.71	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-242.37	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator .....	2,128.36	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-816.30	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator .....	7,887.57	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator .....	27,385.66	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-396.61	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator .....	2,348.70	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-885.15	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator .....	8,658.76	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator .....	30,139.91	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-506.78	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator .....	2,458.87	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-919.58	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator .....	8,989.27	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator .....	30,404.32	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-517.36	
01 22 23 00-0124 Air Equipment <small>(01 22 23)</small>		
01 22 23 00-0125 Air Compressors <small>(01 22 23 00-0124)</small>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor .....	189.79	
For Half Day Usage, Deduct	-59.31	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor .....	569.36	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor .....	1,581.56	
For >6 Months (>26 Weeks), Deduct	-63.26	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor .....	227.74	
For Half Day Usage, Deduct	-71.17	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor .....	670.58	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor .....	1,897.88	
For >6 Months (>26 Weeks), Deduct	-75.92	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor .....	303.66	
For Half Day Usage, Deduct	-94.89	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor .....	683.24	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor .....	1,505.65	
For >6 Months (>26 Weeks), Deduct	-60.23	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor .....	430.18	
For Half Day Usage, Deduct	-134.43	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor .....	1,088.12	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor .....	2,593.76	
For >6 Months (>26 Weeks), Deduct	-103.75	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor .....	956.53	
For Half Day Usage, Deduct	-298.92	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor .....	2,302.76	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor .....	5,739.17	
For >6 Months (>26 Weeks), Deduct	-229.57	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor .....	1,151.38	
For Half Day Usage, Deduct	-359.81	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor .....	2,834.16	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor .....	6,958.88	
For >6 Months (>26 Weeks), Deduct	-278.36	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor .....	1,151.38	
For Half Day Usage, Deduct	-359.81	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor .....	2,834.16	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor .....	6,958.88	
For >6 Months (>26 Weeks), Deduct	-278.36	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor .....	1,341.16	
For Half Day Usage, Deduct	-419.11	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor .....	3,006.23	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor .....	8,016.62	
For >6 Months (>26 Weeks), Deduct	-320.66	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor .....	1,670.13	
For Half Day Usage, Deduct	-521.92	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor .....	3,757.79	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor .....	10,020.78	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-400.83	
<b>01 22 23 00-0153 Portable Negative Air Machines</b> <small>(01 22 23 00-0124)</small>		
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154 DAY Up To 2,000 CFM, Portable Negative Air Machine .....	114.41	
<i>For Half Day Usage, Deduct</i>	-35.75	
01 22 23 00-0155 WK Up To 2,000 CFM, Portable Negative Air Machine .....	469.91	
01 22 23 00-0156 MO Up To 2,000 CFM, Portable Negative Air Machine .....	1,419.95	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-56.80	
01 22 23 00-0157 EA First Stage Pre-Filter For Portable Negative Air Machines .....	14.19	
01 22 23 00-0158 EA Second Stage Pre-Filter For Portable Negative Air Machines .....	28.69	
01 22 23 00-0159 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	135.55	
01 22 23 00-0160 LF Flexible Exhaust Duct For Portable Negative Air Machines.....	2.40	
<b>01 22 23 00-0161 Compaction And Paving Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0162 Pavers And Rollers</b> <small>(01 22 23 00-0161)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
<b>01 22 23 00-0163 Pavers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0164 DAY 10' Wide Paving Machine With Full-Time Operator .....	4,494.50	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,605.59	
01 22 23 00-0165 WK 10' Wide Paving Machine With Full-Time Operator .....	19,050.32	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0166 MO 10' Wide Paving Machine With Full-Time Operator .....	72,122.62	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,955.58	
<b>01 22 23 00-0167 Ride-On Self-Propelled, Rubber Tire Rollers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0168 DAY 10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,419.83	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-644.75	
01 22 23 00-0169 WK 10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,412.62	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0170 MO 10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	26,086.55	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-114.14	
01 22 23 00-0171 DAY 15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,553.96	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-686.67	
01 22 23 00-0172 WK 15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	7,410.09	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0173 MO 15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	27,592.51	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-174.37	
01 22 23 00-0174 DAY 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,560.06	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-688.58	
01 22 23 00-0175 WK 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	7,013.79	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0176 MO 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	27,885.16	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-186.08	
<b>01 22 23 00-0177 Ride-On Self-Propelled, Padfoot Rollers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0178 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,474.70	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-661.90	
01 22 23 00-0179 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,477.25	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0180 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	26,458.46	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-129.01	
01 22 23 00-0181 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,730.78	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-741.93	
01 22 23 00-0182 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,995.50	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0183 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	28,092.46	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-194.37	
01 22 23 00-0184 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,791.75	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-760.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0185 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,379.61 -5,361.50	
01 22 23 00-0186 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	29,165.53 -23,233.15 -237.30	
<b>01 22 23 00-0187 Towed, Padfoot Rollers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0188 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller ..... <i>For Half Day Usage, Deduct</i>	115.84 -36.20	
01 22 23 00-0189 WK 48" Wide, 40" Diameter, Towed Padfoot Roller .....	335.34	
01 22 23 00-0190 MO 48" Wide, 40" Diameter, Towed Padfoot Roller ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	987.71 -39.51	
01 22 23 00-0191 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller ..... <i>For Half Day Usage, Deduct</i>	146.33 -45.73	
01 22 23 00-0192 WK 60" Wide, 60" Diameter, Towed Padfoot Roller .....	408.50	
01 22 23 00-0193 MO 60" Wide, 60" Diameter, Towed Padfoot Roller ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	1,737.64 -69.51	
<b>01 22 23 00-0194 Static Rollers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0195 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,505.19 -1,072.30 -671.43	
01 22 23 00-0196 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,739.42 -5,361.50	
01 22 23 00-0197 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	27,318.14 -23,233.15 -163.40	
01 22 23 00-0198 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,639.32 -1,072.30 -713.34	
01 22 23 00-0199 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,105.24 -5,361.50	
01 22 23 00-0200 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	28,330.24 -23,233.15 -203.88	
<b>01 22 23 00-0201 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0162)</small>		
01 22 23 00-0202 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,310.08 -1,072.30 -610.46	
01 22 23 00-0203 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,086.56 -5,361.50	
01 22 23 00-0204 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	25,062.25 -23,233.15 -73.16	
01 22 23 00-0205 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,401.54 -1,072.30 -639.04	
01 22 23 00-0206 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,330.92 -5,361.50	
01 22 23 00-0207 MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	25,793.89 -23,233.15 -102.43	
01 22 23 00-0208 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,462.51 -1,072.30 -658.09	
01 22 23 00-0209 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,513.83 -5,361.50	
01 22 23 00-0210 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	26,281.65 -23,233.15 -121.94	
01 22 23 00-0211 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,541.77 -1,072.30 -682.86	
01 22 23 00-0212 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,745.52 -5,361.50	
01 22 23 00-0213 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	26,885.25 -23,233.15 -146.08	
01 22 23 00-0214 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For Half Day Usage, Deduct</i>	1,700.29 -1,072.30 -732.40	
01 22 23 00-0215 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,208.89 -5,361.50	
01 22 23 00-0216 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct For &gt;6 Months (&gt;26 Weeks), Deduct</i>	28,110.75 -23,233.15 -195.10	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0217**

**Steel Roadway Plates** (01 22 23 00-0161)

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0218 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0218	EA	Placement And Removal Of Steel Roadway Plates.....	62.40	
01 22 23 00-0219	DAY	1" x 4' x 8' Steel Plate.....	46.44	
01 22 23 00-0220	WK	1" x 4' x 8' Steel Plate.....	109.66	
01 22 23 00-0221	MO	1" x 4' x 8' Steel Plate.....	144.31	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-5.77	
01 22 23 00-0222	DAY	1" x 4' x 10' Steel Plate.....	61.92	
01 22 23 00-0223	WK	1" x 4' x 10' Steel Plate.....	139.33	
01 22 23 00-0224	MO	1" x 4' x 10' Steel Plate.....	170.29	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-6.81	
01 22 23 00-0225	DAY	1" x 5' x 10' Steel Plate.....	64.50	
01 22 23 00-0226	WK	1" x 5' x 10' Steel Plate.....	145.78	
01 22 23 00-0227	MO	1" x 5' x 10' Steel Plate.....	387.03	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-15.48	
01 22 23 00-0228	DAY	1" x 6' x 8' Steel Plate.....	41.28	
01 22 23 00-0229	WK	1" x 6' x 8' Steel Plate.....	92.89	
01 22 23 00-0230	MO	1" x 6' x 8' Steel Plate.....	247.70	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-9.91	
01 22 23 00-0231	DAY	1" x 6' x 10' Steel Plate.....	77.41	
01 22 23 00-0232	WK	1" x 6' x 10' Steel Plate.....	101.92	
01 22 23 00-0233	MO	1" x 6' x 10' Steel Plate.....	272.21	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-10.89	
01 22 23 00-0234	DAY	1" x 6' x 12' Steel Plate.....	108.37	
01 22 23 00-0235	WK	1" x 6' x 12' Steel Plate.....	138.69	
01 22 23 00-0236	MO	1" x 6' x 12' Steel Plate.....	375.42	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-15.02	
01 22 23 00-0237	DAY	1" x 8' x 10' Steel Plate.....	68.38	
01 22 23 00-0238	WK	1" x 8' x 10' Steel Plate.....	153.52	
01 22 23 00-0239	MO	1" x 8' x 10' Steel Plate.....	408.96	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-16.36	
01 22 23 00-0240	DAY	1" x 8' x 12' Steel Plate.....	123.85	
01 22 23 00-0241	WK	1" x 8' x 12' Steel Plate.....	153.52	
01 22 23 00-0242	MO	1" x 8' x 12' Steel Plate.....	743.10	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-29.72	
01 22 23 00-0243	DAY	1" x 8' x 16' Steel Plate.....	165.13	
01 22 23 00-0244	WK	1" x 8' x 16' Steel Plate.....	371.55	
01 22 23 00-0245	MO	1" x 8' x 16' Steel Plate.....	990.80	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-39.63	
01 22 23 00-0246	DAY	1-1/4" x 8' x 10' Steel Plate.....	82.05	
01 22 23 00-0247	WK	1-1/4" x 8' x 10' Steel Plate.....	184.23	
01 22 23 00-0248	MO	1-1/4" x 8' x 10' Steel Plate.....	490.75	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-19.63	
01 22 23 00-0249	DAY	1-1/2" x 8' x 15' Steel Plate.....	189.90	
01 22 23 00-0250	WK	1-1/2" x 8' x 15' Steel Plate.....	427.28	
01 22 23 00-0251	MO	1-1/2" x 8' x 15' Steel Plate.....	1,139.42	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-45.58	
01 22 23 00-0252	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.70	1.18
01 22 23 00-0253	EA	Removal And Resetting Of Steel Roadway Plate.....	34.67	

**01 22 23 00-0254**

**Street Sweepers** (01 22 23 00-0161)

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

01 22 23 00-0255	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	1,228.39	
		<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
		<i>For Half Day Usage, Deduct</i>	-576.59	
01 22 23 00-0256	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	5,933.90	
		<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0257	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	25,101.28	
		<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-113.25	
01 22 23 00-0258	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	2,847.91	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
		<i>For Half Day Usage, Deduct</i>	-1,082.69	
01 22 23 00-0259	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	12,429.52	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0260	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	48,287.32	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,040.69	

**01 22 23 00-0261**

**Earthmoving Equipment** (01 22 23)

**01 22 23 00-0262**

**Skid-Steer Loaders** (01 22 23 00-0261)

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0263 DAY 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	1,379.01	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-623.66	
01 22 23 00-0264 WK 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	6,060.50	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0265 MO 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	24,488.74	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-88.75	
01 22 23 00-0266 DAY 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	1,471.58	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-652.59	
01 22 23 00-0267 WK 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	6,228.00	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0268 MO 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	24,856.07	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-103.44	
01 22 23 00-0269 DAY 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	1,498.03	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-660.86	
01 22 23 00-0270 WK 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	6,468.97	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0271 MO 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	25,495.21	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-129.00	
01 22 23 00-0272 DAY 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,600.88	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-693.00	
01 22 23 00-0273 WK 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	6,806.91	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0274 MO 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	26,611.88	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-173.67	
01 22 23 00-0275 DAY 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,777.19	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-748.09	
01 22 23 00-0276 WK 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	7,475.44	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-0277 MO 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	28,257.50	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-239.50	
01 22 23 00-0278 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders .....	293.86	
<i>For Half Day Usage, Deduct</i>	-91.83	
01 22 23 00-0279 WK Hydraulic Hammer Attachment For Skid-Steer Loaders .....	977.08	
01 22 23 00-0280 MO Hydraulic Hammer Attachment For Skid-Steer Loaders .....	2,600.66	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-104.03	
01 22 23 00-0281 DAY Forklift Attachment For Skid-Steer Loaders.....	63.18	
<i>For Half Day Usage, Deduct</i>	-19.74	
01 22 23 00-0282 WK Forklift Attachment For Skid-Steer Loaders .....	168.97	
01 22 23 00-0283 MO Forklift Attachment For Skid-Steer Loaders .....	477.52	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-19.10	
01 22 23 00-0284 DAY Backhoe Attachment For Skid-Steer Loaders.....	139.58	
<i>For Half Day Usage, Deduct</i>	-43.62	
01 22 23 00-0285 WK Backhoe Attachment For Skid-Steer Loaders.....	335.00	
01 22 23 00-0286 MO Backhoe Attachment For Skid-Steer Loaders.....	833.09	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-33.32	
01 22 23 00-0287 DAY Broom Attachment For Skid-Steer Loaders .....	138.11	
<i>For Half Day Usage, Deduct</i>	-43.16	
01 22 23 00-0288 WK Broom Attachment For Skid-Steer Loaders .....	374.67	
01 22 23 00-0289 MO Broom Attachment For Skid-Steer Loaders .....	991.78	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-39.67	
01 22 23 00-0290 DAY Auger Attachment For Skid-Steer Loaders .....	120.48	
Note: Excludes bits and extensions		
<i>For Half Day Usage, Deduct</i>	-37.65	
01 22 23 00-0291 WK Auger Attachment For Skid-Steer Loaders .....	332.06	
Note: Excludes bits and extensions		
01 22 23 00-0292 MO Auger Attachment For Skid-Steer Loaders .....	906.56	
Note: Excludes bits and extensions		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-36.26	
01 22 23 00-0293 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	33.21	
Note: Excludes auger attachment		
<i>For Half Day Usage, Deduct</i>	-10.38	
01 22 23 00-0294 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	86.88	
Note: Excludes auger attachment		
01 22 23 00-0295 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	255.53	
Note: Excludes auger attachment		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-10.22	
01 22 23 00-0296 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	44.71	
Note: Excludes auger attachment		
<i>For Half Day Usage, Deduct</i>	-13.97	
01 22 23 00-0297 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	111.15	
Note: Excludes auger attachment		
01 22 23 00-0298 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers.....	332.19	
Note: Excludes auger attachment		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-13.29	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0299 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	65.15	
Note: Excludes auger attachment		
For Half Day Usage, Deduct	-20.36	
01 22 23 00-0300 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	198.05	
Note: Excludes auger attachment		
01 22 23 00-0301 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	587.72	
Note: Excludes auger attachment		
For >6 Months (>26 Weeks), Deduct	-23.51	
01 22 23 00-0302 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers .....	13.22	
Note: Excludes auger attachment		
For Half Day Usage, Deduct	-4.13	
01 22 23 00-0303 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers .....	30.86	
Note: Excludes auger attachment		
01 22 23 00-0304 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers .....	82.28	
Note: Excludes auger attachment		
For >6 Months (>26 Weeks), Deduct	-3.29	
<b>01 22 23 00-0305 Bulldozers</b> (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0306 DAY 70 HP, D3 Bulldozer With Full-Time Operator .....	1,478.33	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-663.03	
01 22 23 00-0307 WK 70 HP, D3 Bulldozer With Full-Time Operator .....	6,962.65	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0308 MO 70 HP, D3 Bulldozer With Full-Time Operator .....	27,982.97	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-189.99	
01 22 23 00-0309 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,669.86	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-722.89	
01 22 23 00-0310 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	7,736.41	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0311 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	30,357.88	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-284.99	
01 22 23 00-0312 DAY 140 HP, D6 Bulldozer With Full-Time Operator .....	2,213.79	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-892.87	
01 22 23 00-0313 WK 140 HP, D6 Bulldozer With Full-Time Operator .....	9,912.13	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0314 MO 140 HP, D6 Bulldozer With Full-Time Operator .....	36,869.73	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-545.46	
01 22 23 00-0315 DAY 200 HP, D7 Bulldozer With Full-Time Operator .....	2,696.43	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-1,043.69	
01 22 23 00-0316 WK 200 HP, D7 Bulldozer With Full-Time Operator .....	11,850.37	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0317 MO 200 HP, D7 Bulldozer With Full-Time Operator .....	42,692.09	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-778.36	
01 22 23 00-0318 DAY 335 HP, D8 Bulldozer With Full-Time Operator .....	3,271.01	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-1,223.25	
01 22 23 00-0319 WK 335 HP, D8 Bulldozer With Full-Time Operator .....	14,148.67	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0320 MO 335 HP, D8 Bulldozer With Full-Time Operator .....	49,586.99	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-1,054.15	
01 22 23 00-0321 DAY 460 HP, D9 Bulldozer With Full-Time Operator .....	3,592.77	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-1,323.80	
01 22 23 00-0322 WK 460 HP, D9 Bulldozer With Full-Time Operator .....	15,428.05	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0323 MO 460 HP, D9 Bulldozer With Full-Time Operator .....	53,417.49	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-1,207.37	
<b>01 22 23 00-0324 Motor Scraper</b> (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0325 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator .....	2,371.77	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-942.23	
01 22 23 00-0326 WK 11 CY Motor Scraper-Hauler With Full-Time Operator .....	10,559.39	
For Equipment Without Operator, Deduct	-5,361.50	
01 22 23 00-0327 MO 11 CY Motor Scraper-Hauler With Full-Time Operator .....	38,809.03	
For Equipment Without Operator, Deduct	-23,233.15	
For >6 Months (>26 Weeks), Deduct	-623.04	
01 22 23 00-0328 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator .....	2,896.90	
For Equipment Without Operator, Deduct	-1,072.30	
For Half Day Usage, Deduct	-1,106.34	
01 22 23 00-0329 WK 18 CY Motor Scraper-Hauler With Full-Time Operator .....	12,659.91	
For Equipment Without Operator, Deduct	-5,361.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0330 MO 18 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	45,128.38 -23,233.15 -875.81	
01 22 23 00-0331 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,404.23 -1,072.30 -1,264.88	
01 22 23 00-0332 WK 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,680.32 -5,361.50	
01 22 23 00-0333 MO 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	51,180.72 -23,233.15 -1,117.90	
<b>01 22 23 00-0334 Hydraulic Excavators</b> <small>(01 22 23 00-0261)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0335 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,439.42 -1,072.30 -650.88	
01 22 23 00-0336 WK 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,680.01 -5,361.50	
01 22 23 00-0337 MO 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	27,584.19 -23,233.15 -174.04	
01 22 23 00-0338 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,542.76 -1,072.30 -683.17	
01 22 23 00-0339 WK 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,115.51 -5,361.50	
01 22 23 00-0340 MO 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	29,406.19 -23,233.15 -246.92	
01 22 23 00-0341 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,575.39 -1,072.30 -693.37	
01 22 23 00-0342 WK 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,285.48 -5,361.50	
01 22 23 00-0343 MO 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	29,705.32 -23,233.15 -258.89	
01 22 23 00-0344 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,609.38 -1,072.30 -703.99	
01 22 23 00-0345 WK 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,441.84 -5,361.50	
01 22 23 00-0346 MO 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	30,004.46 -23,233.15 -270.85	
01 22 23 00-0347 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,636.58 -1,072.30 -712.49	
01 22 23 00-0348 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,605.00 -5,361.50	
01 22 23 00-0349 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	30,303.59 -23,233.15 -282.82	
01 22 23 00-0350 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,003.69 -1,072.30 -827.21	
01 22 23 00-0351 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,066.68 -5,361.50	
01 22 23 00-0352 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	34,348.70 -23,233.15 -444.62	
01 22 23 00-0353 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,058.08 -1,072.30 -844.21	
01 22 23 00-0354 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,304.63 -5,361.50	
01 22 23 00-0355 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	35,062.54 -23,233.15 -473.18	
01 22 23 00-0356 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,160.06 -1,072.30 -876.08	
01 22 23 00-0357 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,712.54 -5,361.50	
01 22 23 00-0358 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	36,286.27 -23,233.15 -522.12	
01 22 23 00-0359 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,275.63 -1,072.30 -912.19	
01 22 23 00-0360 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	10,168.04 -5,361.50	

<b>01</b>	<b>General Requirements</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0361 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	37,645.97	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-576.51	
01 22 23 00-0362 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	2,309.63	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-922.82	
01 22 23 00-0363 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	10,304.01	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0364 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	38,053.88	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-592.83	
01 22 23 00-0365 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,635.96	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,024.79	
01 22 23 00-0366 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	11,616.12	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0367 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	41,997.01	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-750.55	
01 22 23 00-0368 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	3,105.05	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,171.38	
01 22 23 00-0369 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	13,478.91	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0370 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	47,571.78	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-973.55	
01 22 23 00-0371 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,682.92	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,351.97	
01 22 23 00-0372 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,790.40	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0373 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	54,506.25	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,250.92	
01 22 23 00-0374 DAY Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	2,187.25	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-884.57	
01 22 23 00-0375 WK Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	9,807.72	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0376 MO Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	36,558.21	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-533.00	
01 22 23 00-0377 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators .....	95.18	
<i>For Half Day Usage, Deduct</i>	-29.74	
01 22 23 00-0378 WK Thumbs Or Grapple Attachment For Hydraulic Excavators .....	367.12	
01 22 23 00-0379 MO Thumbs Or Grapple Attachment For Hydraulic Excavators .....	1,087.76	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-43.51	
01 22 23 00-0380 DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	421.51	
<i>For Half Day Usage, Deduct</i>	-131.72	
01 22 23 00-0381 WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,114.95	
01 22 23 00-0382 MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,120.51	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-124.82	
01 22 23 00-0383 DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	652.66	
<i>For Half Day Usage, Deduct</i>	-203.96	
01 22 23 00-0384 WK 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,665.63	
01 22 23 00-0385 MO 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,330.64	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-173.23	
01 22 23 00-0386 DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	911.00	
<i>For Half Day Usage, Deduct</i>	-284.69	
01 22 23 00-0387 WK 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,454.26	
01 22 23 00-0388 MO 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,880.08	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-275.20	
01 22 23 00-0389 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators .....	190.36	
<i>For Half Day Usage, Deduct</i>	-59.49	
01 22 23 00-0390 WK 24" Compaction Wheel Attachment For Hydraulic Excavators .....	761.43	
01 22 23 00-0391 MO 24" Compaction Wheel Attachment For Hydraulic Excavators .....	2,284.30	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-91.37	
01 22 23 00-0392 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators .....	271.94	
<i>For Half Day Usage, Deduct</i>	-84.98	
01 22 23 00-0393 WK 36" Compaction Wheel Attachment For Hydraulic Excavators .....	1,087.76	
01 22 23 00-0394 MO 36" Compaction Wheel Attachment For Hydraulic Excavators .....	3,263.28	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-130.53	
01 22 23 00-0395 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators .....	299.13	
<i>For Half Day Usage, Deduct</i>	-93.48	
01 22 23 00-0396 WK 48" Compaction Wheel Attachment For Hydraulic Excavators .....	1,182.94	
01 22 23 00-0397 MO 48" Compaction Wheel Attachment For Hydraulic Excavators .....	3,535.22	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-141.41	
<b>01 22 23 00-0398 Mini-Excavators (01 22 23 00-0261)</b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0399 DAY 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,357.84	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-625.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0400 WK 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,170.52	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0401 MO 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator .....	25,014.36	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-71.25	
01 22 23 00-0402 DAY 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,364.64	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-627.51	
01 22 23 00-0403 WK 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,190.92	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0404 MO 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	25,442.66	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-88.38	
01 22 23 00-0405 DAY 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,398.63	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-638.13	
01 22 23 00-0406 WK 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,286.10	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0407 MO 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	25,503.85	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-90.83	
01 22 23 00-0408 DAY 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,412.22	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-642.38	
01 22 23 00-0409 WK 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,333.69	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0410 MO 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	25,531.04	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-91.92	
01 22 23 00-0411 DAY 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,493.81	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-667.87	
01 22 23 00-0412 WK 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,401.67	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0413 MO 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	26,319.67	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-123.46	
01 22 23 00-0414 DAY 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	1,500.61	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-670.00	
01 22 23 00-0415 WK 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	6,741.60	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0416 MO 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator .....	26,353.66	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-124.82	
<b>01 22 23 00-0417 Telescopic Hydraulic Excavators (Gradall) <small>(01 22 23 00-0261)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0418 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	4,449.95	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,591.67	
01 22 23 00-0419 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	13,300.05	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0420 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	51,566.97	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,133.35	
<b>01 22 23 00-0421 Road Graders <small>(01 22 23 00-0261)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0422 DAY 50 To 60 HP Road Grader With Full-Time Operator .....	2,407.38	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-953.36	
01 22 23 00-0423 WK 50 To 60 HP Road Grader With Full-Time Operator .....	8,832.70	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0424 MO 50 To 60 HP Road Grader With Full-Time Operator .....	32,578.67	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-373.82	
01 22 23 00-0425 DAY 80 To 100 HP Road Grader With Full-Time Operator .....	3,066.01	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,159.18	
01 22 23 00-0426 WK 80 To 100 HP Road Grader With Full-Time Operator .....	10,292.38	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0427 MO 80 To 100 HP Road Grader With Full-Time Operator .....	37,028.93	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-551.83	
01 22 23 00-0428 DAY 130 To 140 HP Road Grader With Full-Time Operator .....	3,557.02	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,312.63	
01 22 23 00-0429 WK 130 To 140 HP Road Grader With Full-Time Operator .....	11,746.72	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0430 MO 130 To 140 HP Road Grader With Full-Time Operator .....	42,391.48	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-766.33	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0431 DAY 170 To 185 HP Road Grader With Full-Time Operator .....	4,303.18	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,545.80	
01 22 23 00-0432 WK 170 To 185 HP Road Grader With Full-Time Operator .....	18,285.03	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0433 MO 170 To 185 HP Road Grader With Full-Time Operator .....	68,465.45	
<i>For Equipment Without Operator, Deduct</i>	-23,233.11	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,809.29	
<b>01 22 23 00-0434 Loader-Backhoes With Standard Bucket</b> <small>(01 22 23 00-0261)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0435 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	1,509.80	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-672.87	
01 22 23 00-0436 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	6,400.56	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0437 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	25,678.46	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-97.81	
01 22 23 00-0438 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	1,556.68	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-687.52	
01 22 23 00-0439 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	6,564.62	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0440 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	26,678.46	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-137.81	
01 22 23 00-0441 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	1,628.94	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-710.10	
01 22 23 00-0442 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	6,744.31	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0443 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	27,194.09	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-158.44	
01 22 23 00-0444 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator .....	1,951.21	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-810.81	
01 22 23 00-0445 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator .....	7,705.25	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0446 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator .....	29,944.09	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-268.44	
<b>01 22 23 00-0447 Heavy-Duty Construction Loaders</b> <small>(01 22 23 00-0261)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0448 DAY 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	1,529.58	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-679.05	
01 22 23 00-0449 WK 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	7,169.50	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0450 MO 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	28,650.10	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-216.68	
01 22 23 00-0451 DAY 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	1,909.46	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-797.76	
01 22 23 00-0452 WK 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	7,584.56	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0453 MO 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	28,861.15	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-225.12	
01 22 23 00-0454 DAY 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	1,993.88	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-824.14	
01 22 23 00-0455 WK 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	7,809.68	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0456 MO 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	29,423.95	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-247.63	
01 22 23 00-0457 DAY 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	2,226.04	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-896.69	
01 22 23 00-0458 WK 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	8,421.72	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0459 MO 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	30,971.65	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-309.54	
01 22 23 00-0460 DAY 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	2,824.02	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-1,083.56	
01 22 23 00-0461 WK 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator .....	12,354.29	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0462 MO 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	44,197.45	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-838.57	
01 22 23 00-0463 DAY 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	6,763.54	
<i>For Equipment Without Operator, Deduct</i>	-1,072.30	
<i>For Half Day Usage, Deduct</i>	-2,314.66	
01 22 23 00-0464 WK 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	23,842.25	
<i>For Equipment Without Operator, Deduct</i>	-5,361.50	
01 22 23 00-0465 MO 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	73,598.19	
<i>For Equipment Without Operator, Deduct</i>	-23,233.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2,014.60	
<b>01 22 23 00-0466 Tractors</b> <small>(01 22 23 00-0261)</small>		
<i>Note: Excludes operator, delivery, set-up, and removal.</i>		
01 22 23 00-0467 DAY 20 To 29 HP Tractor.....	456.00	
<i>For Half Day Usage, Deduct</i>	-142.50	
01 22 23 00-0468 WK 20 To 29 HP Tractor.....	1,097.79	
01 22 23 00-0469 MO 20 To 29 HP Tractor.....	2,964.03	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-118.56	
01 22 23 00-0470 DAY 30 To 35 HP Tractor.....	472.49	
<i>For Half Day Usage, Deduct</i>	-147.65	
01 22 23 00-0471 WK 30 To 35 HP Tractor.....	1,216.41	
01 22 23 00-0472 MO 30 To 35 HP Tractor.....	3,367.76	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-134.71	
01 22 23 00-0473 DAY 40 To 45 HP Tractor.....	482.54	
<i>For Half Day Usage, Deduct</i>	-150.79	
01 22 23 00-0474 WK 40 To 45 HP Tractor.....	1,296.84	
01 22 23 00-0475 MO 40 To 45 HP Tractor.....	3,558.76	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-142.35	
01 22 23 00-0476 DAY 80 To 89 HP Tractor.....	621.28	
<i>For Half Day Usage, Deduct</i>	-194.15	
01 22 23 00-0477 WK 80 To 89 HP Tractor.....	1,761.89	
01 22 23 00-0478 MO 80 To 89 HP Tractor.....	5,044.80	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-201.79	
01 22 23 00-0479 DAY 60" Rotary Mower Attachment For Tractors.....	195.03	
<i>For Half Day Usage, Deduct</i>	-60.95	
01 22 23 00-0480 WK 60" Rotary Mower Attachment For Tractors.....	603.18	
01 22 23 00-0481 DAY 84" Rotary Mower Attachment For Tractors.....	213.12	
<i>For Half Day Usage, Deduct</i>	-66.60	
01 22 23 00-0482 WK 84" Rotary Mower Attachment For Tractors.....	653.44	
01 22 23 00-0483 DAY Under Deck Rotary Mower Attachment For Tractors.....	42.44	
<i>For Half Day Usage, Deduct</i>	-13.26	
01 22 23 00-0484 WK Under Deck Rotary Mower Attachment For Tractors.....	169.77	
<b>01 22 23 00-0485 Shoring</b> <small>(01 22 23 00-0261)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
<b>01 22 23 00-0486 Aluminum Hydraulic Shoring</b> <small>(01 22 23 00-0485)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.</i>		
01 22 23 00-0487 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	157.07	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0488 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	463.29	
<i>Note: Up to 88" spread width.</i>		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-18.53	
01 22 23 00-0489 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	210.71	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0490 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	621.49	
<i>Note: Up to 88" spread width.</i>		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-24.86	
01 22 23 00-0491 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	390.70	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0492 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	1,152.57	
<i>Note: Up to 88" spread width.</i>		
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-46.10	
01 22 23 00-0493 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	30.02	
01 22 23 00-0494 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	48.04	
01 22 23 00-0495 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	80.05	
<b>01 22 23 00-0496 Slide Rail Shoring</b> <small>(01 22 23 00-0485)</small>		
<i>Note: Excludes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0497 WK 4' x 12' Slide Rail Panel.....	235.83	
01 22 23 00-0498 MO 4' x 12' Slide Rail Panel.....	707.49	
01 22 23 00-0499 WK 8' x 12' Slide Rail Panel.....	385.34	
01 22 23 00-0500 MO 8' x 12' Slide Rail Panel.....	1,156.02	
01 22 23 00-0501 WK 4' x 16' Slide Rail Panel.....	307.53	
01 22 23 00-0502 MO 4' x 16' Slide Rail Panel.....	922.59	
01 22 23 00-0503 WK 8' x 16' Slide Rail Panel.....	503.20	
01 22 23 00-0504 MO 8' x 16' Slide Rail Panel.....	1,509.61	
01 22 23 00-0505 WK 4' x 20' Slide Rail Panel.....	394.55	
01 22 23 00-0506 MO 4' x 20' Slide Rail Panel.....	1,183.65	
01 22 23 00-0507 WK 8' x 20' Slide Rail Panel.....	694.97	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0508	MO	8' x 20' Slide Rail Panel .....	2,084.91	
01 22 23 00-0509	WK	14' Stacking Post .....	352.49	
01 22 23 00-0510	MO	14' Stacking Post .....	1,057.48	
01 22 23 00-0511	WK	Stacking Brackets .....	11.02	
01 22 23 00-0512	MO	Stacking Brackets .....	33.05	
01 22 23 00-0513	EA	Set Up And Remove 4' x 12' Slide Rail Panel.....	277.32	
01 22 23 00-0514	EA	Set Up And Remove 8' x 12' Slide Rail Panel.....	415.98	
01 22 23 00-0515	EA	Set Up And Remove 4' x 16' Slide Rail Panel.....	415.98	
01 22 23 00-0516	EA	Set Up And Remove 8' x 16' Slide Rail Panel.....	554.64	
01 22 23 00-0517	EA	Set Up And Remove 4' x 20' Slide Rail Panel.....	554.64	
01 22 23 00-0518	EA	Set Up And Remove 8' x 20' Slide Rail Panel.....	693.29	
01 22 23 00-0519	EA	Set Up And Remove 14' Stacking Post.....	415.98	
01 22 23 00-0520	EA	Set Up And Remove Stacking Brackets.....	138.66	
01 22 23 00-0521	EA	Stacking Brackets Rigging Tub.....	2,065.39	

**01 22 23 00-0522 Trench Boxes/Trench Shields** (01 22 23 00-0261)

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

01 22 23 00-0523	WK	4' x 6' Trench Box With Up To 48" Spreaders.....	301.03	
01 22 23 00-0524	MO	4' x 6' Trench Box With Up To 48" Spreaders.....	903.08	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-36.12</i>	
01 22 23 00-0525	WK	6' x 6' Trench Box With Up To 48" Spreaders.....	339.87	
01 22 23 00-0526	MO	6' x 6' Trench Box With Up To 48" Spreaders.....	1,019.60	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-40.78</i>	
01 22 23 00-0527	WK	8' x 6' Trench Box With Up To 48" Spreaders.....	359.29	
01 22 23 00-0528	MO	8' x 6' Trench Box With Up To 48" Spreaders.....	1,077.87	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-43.11</i>	
01 22 23 00-0529	WK	4' x 8' Trench Box With Up To 48" Spreaders.....	330.16	
01 22 23 00-0530	MO	4' x 8' Trench Box With Up To 48" Spreaders.....	990.47	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-39.62</i>	
01 22 23 00-0531	WK	6' x 8' Trench Box With Up To 48" Spreaders.....	388.42	
01 22 23 00-0532	MO	6' x 8' Trench Box With Up To 48" Spreaders.....	1,165.26	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-46.61</i>	
01 22 23 00-0533	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	436.97	
01 22 23 00-0534	MO	8' x 8' Trench Box With Up To 48" Spreaders.....	1,310.92	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-52.44</i>	
01 22 23 00-0535	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	369.00	
01 22 23 00-0536	MO	4' x 10' Trench Box With Up To 48" Spreaders.....	1,107.00	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-44.28</i>	
01 22 23 00-0537	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	436.97	
01 22 23 00-0538	MO	6' x 10' Trench Box With Up To 48" Spreaders.....	1,310.92	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-52.44</i>	
01 22 23 00-0539	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	534.08	
01 22 23 00-0540	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	1,592.52	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-63.70</i>	
01 22 23 00-0541	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	436.97	
01 22 23 00-0542	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	1,310.92	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-52.44</i>	
01 22 23 00-0543	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	534.08	
01 22 23 00-0544	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	1,602.23	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-64.09</i>	
01 22 23 00-0545	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	679.74	
01 22 23 00-0546	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	2,039.20	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-81.57</i>	
01 22 23 00-0547	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	485.52	
01 22 23 00-0548	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	1,456.58	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-58.26</i>	
01 22 23 00-0549	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	631.18	
01 22 23 00-0550	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,893.55	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-75.74</i>	
01 22 23 00-0551	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	776.84	
01 22 23 00-0552	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	2,330.52	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-93.22</i>	
01 22 23 00-0553	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	534.08	
01 22 23 00-0554	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	1,602.23	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-64.09</i>	
01 22 23 00-0555	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	728.29	
01 22 23 00-0556	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	2,184.86	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-87.39</i>	
01 22 23 00-0557	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	873.94	
01 22 23 00-0558	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	2,621.84	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-104.87</i>	
01 22 23 00-0559	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	631.18	
01 22 23 00-0560	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,893.55	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-75.74</i>	
01 22 23 00-0561	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	873.94	
01 22 23 00-0562	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	2,621.84	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-104.87</i>	
01 22 23 00-0563	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	1,019.60	
01 22 23 00-0564	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	3,058.81	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	<i>-122.35</i>	
01 22 23 00-0565	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	873.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0566 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,621.84	
For >6 Months (>26 Weeks), Deduct	-104.87	
01 22 23 00-0567 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	1,068.16	
01 22 23 00-0568 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	3,204.46	
For >6 Months (>26 Weeks), Deduct	-128.18	
01 22 23 00-0569 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	1,165.26	
01 22 23 00-0570 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	3,495.78	
For >6 Months (>26 Weeks), Deduct	-139.83	
01 22 23 00-0571 WK For Spreaders >48" To 84", Add.....	29.13	
01 22 23 00-0572 MO For Spreaders >48" To 84", Add.....	87.39	
For >6 Months (>26 Weeks), Deduct	-3.50	
01 22 23 00-0573 WK For Spreaders >84" To 120", Add.....	174.79	
01 22 23 00-0574 MO For Spreaders >84" To 120", Add.....	524.37	
For >6 Months (>26 Weeks), Deduct	-20.97	
01 22 23 00-0575 WK For Spreaders >120", Add.....	369.00	
01 22 23 00-0576 MO For Spreaders >120", Add.....	1,107.00	
For >6 Months (>26 Weeks), Deduct	-44.28	
01 22 23 00-0577 WK 8' x 4' Manhole Box.....	458.82	
01 22 23 00-0578 MO 8' x 4' Manhole Box.....	1,376.46	
For >6 Months (>26 Weeks), Deduct	-55.06	
01 22 23 00-0579 WK 8' x 8' Manhole Box.....	655.46	
01 22 23 00-0580 MO 8' x 8' Manhole Box.....	1,966.38	
For >6 Months (>26 Weeks), Deduct	-78.66	
<b>01 22 23 00-0581 Trenchers</b> (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0582 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,349.55	
For Equipment Without Operator, Deduct	-1,027.85	
For Half Day Usage, Deduct	-614.46	
01 22 23 00-0583 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,235.03	
For Equipment Without Operator, Deduct	-5,139.25	
01 22 23 00-0584 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	25,286.00	
For Equipment Without Operator, Deduct	-22,270.10	
For >6 Months (>26 Weeks), Deduct	-120.64	
01 22 23 00-0585 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,892.41	
For Equipment Without Operator, Deduct	-1,027.85	
For Half Day Usage, Deduct	-784.10	
01 22 23 00-0586 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	8,064.67	
For Equipment Without Operator, Deduct	-5,139.25	
01 22 23 00-0587 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	30,312.50	
For Equipment Without Operator, Deduct	-22,270.10	
For >6 Months (>26 Weeks), Deduct	-321.70	
<b>01 22 23 00-0588 Portable Sediment Tank</b> (01 22 23 00-0261)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0589 WK Portable Sediment Tank.....	212.21	
01 22 23 00-0590 MO Portable Sediment Tank.....	622.49	
For >6 Months (>26 Weeks), Deduct	-24.90	
<b>01 22 23 00-0591 Heavy Equipment (Ground Protection) Mats</b> (01 22 23 00-0261)		
Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0261 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0592 DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	27.89	
For Half Day Usage, Deduct	-8.72	
01 22 23 00-0593 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	66.41	
01 22 23 00-0594 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	139.46	
For >6 Months (>26 Weeks), Deduct	-5.58	
01 22 23 00-0595 DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	29.29	
For Half Day Usage, Deduct	-9.15	
01 22 23 00-0596 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	69.73	
01 22 23 00-0597 MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	146.43	
For >6 Months (>26 Weeks), Deduct	-5.86	
01 22 23 00-0598 Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.71	
For Half Day Usage, Deduct	-7.41	
01 22 23 00-0599 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	55.78	
01 22 23 00-0600 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	118.54	
For >6 Months (>26 Weeks), Deduct	-4.74	
01 22 23 00-0601 Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	26.50	
For Half Day Usage, Deduct	-8.28	
01 22 23 00-0602 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	62.76	
01 22 23 00-0603 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	132.49	
For >6 Months (>26 Weeks), Deduct	-5.30	
01 22 23 00-0604 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	29.29	
For Half Day Usage, Deduct	-9.15	
01 22 23 00-0605 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	69.73	
01 22 23 00-0606 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	146.43	
For >6 Months (>26 Weeks), Deduct	-5.86	
01 22 23 00-0607 Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	32.08	
For Half Day Usage, Deduct	-10.03	
01 22 23 00-0608 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	76.37	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0609	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	.....	160.38	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-6.42	
01 22 23 00-0610	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	25.10	
		<i>For Half Day Usage, Deduct</i>		-7.84	
01 22 23 00-0611	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	69.73	
01 22 23 00-0612	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	125.51	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-5.02	
01 22 23 00-0613	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	29.29	
		<i>For Half Day Usage, Deduct</i>		-9.15	
01 22 23 00-0614	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	69.73	
01 22 23 00-0615	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	146.43	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-5.86	
01 22 23 00-0616	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	34.86	
		<i>For Half Day Usage, Deduct</i>		-10.89	
01 22 23 00-0617	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	76.70	
01 22 23 00-0618	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	174.32	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-6.97	
01 22 23 00-0619	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	37.65	
		<i>For Half Day Usage, Deduct</i>		-11.77	
01 22 23 00-0620	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	89.65	
01 22 23 00-0621	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	188.27	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-7.53	
01 22 23 00-0622	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	40.44	
		<i>For Half Day Usage, Deduct</i>		-12.64	
01 22 23 00-0623	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	96.29	
01 22 23 00-0624	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	202.22	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-8.09	
01 22 23 00-0625	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	41.84	
		<i>For Half Day Usage, Deduct</i>		-13.08	
01 22 23 00-0626	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	99.61	
01 22 23 00-0627	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	.....	209.19	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-8.37	
01 22 23 00-0628	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	13.42	
		<i>For Half Day Usage, Deduct</i>		-4.19	
01 22 23 00-0629	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	33.54	
01 22 23 00-0630	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	100.62	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-4.02	
01 22 23 00-0631	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	16.04	
		<i>For Half Day Usage, Deduct</i>		-5.01	
01 22 23 00-0632	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	40.09	
01 22 23 00-0633	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	120.28	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-4.81	
01 22 23 00-0634	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	18.32	
		<i>For Half Day Usage, Deduct</i>		-5.73	
01 22 23 00-0635	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	45.79	
01 22 23 00-0636	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	137.37	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-5.49	
01 22 23 00-0637	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	19.52	
		<i>For Half Day Usage, Deduct</i>		-6.10	
01 22 23 00-0638	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	48.81	
01 22 23 00-0639	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	146.43	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-5.86	
01 22 23 00-0640	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	22.31	
		<i>For Half Day Usage, Deduct</i>		-6.97	
01 22 23 00-0641	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	55.78	
01 22 23 00-0642	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	167.35	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-6.69	
01 22 23 00-0643	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	25.64	
		<i>For Half Day Usage, Deduct</i>		-8.01	
01 22 23 00-0644	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	64.11	
01 22 23 00-0645	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	192.32	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-7.69	
01 22 23 00-0646	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	19.73	
		<i>For Half Day Usage, Deduct</i>		-6.17	
01 22 23 00-0647	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	49.32	
01 22 23 00-0648	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	147.97	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-5.92	
01 22 23 00-0649	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	26.71	
		<i>For Half Day Usage, Deduct</i>		-8.35	
01 22 23 00-0650	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	66.78	
01 22 23 00-0651	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	200.33	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-8.01	
01 22 23 00-0652	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	23.09	
		<i>For Half Day Usage, Deduct</i>		-7.22	
01 22 23 00-0653	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	57.74	
01 22 23 00-0654	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	173.21	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-6.93	
01 22 23 00-0655	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	38.52	
		<i>For Half Day Usage, Deduct</i>		-12.04	
01 22 23 00-0656	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	96.29	
01 22 23 00-0657	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	288.88	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>		-11.56	
01 22 23 00-0658	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	41.06	
		<i>For Half Day Usage, Deduct</i>		-12.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0659 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	102.64	
01 22 23 00-0660 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	307.93	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-12.32	
<b>01 22 23 00-0661 Electrical Equipment (01 22 23)</b>		
<b>01 22 23 00-0662 Tripod Mounted Floodlights (01 22 23 00-0661)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0663 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	81.30	
<i>For Half Day Usage, Deduct</i>	-25.41	
01 22 23 00-0664 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	192.35	
01 22 23 00-0665 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	406.52	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-16.26	
01 22 23 00-0666 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	81.30	
<i>For Half Day Usage, Deduct</i>	-25.41	
01 22 23 00-0667 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	237.96	
01 22 23 00-0668 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	703.96	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-28.16	
01 22 23 00-0669 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	91.22	
<i>For Half Day Usage, Deduct</i>	-28.51	
01 22 23 00-0670 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	247.88	
01 22 23 00-0671 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	604.82	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-24.19	
<b>01 22 23 00-0672 Trailer Mounted Floodlights (01 22 23 00-0661)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0673 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	228.04	
<i>For Half Day Usage, Deduct</i>	-71.26	
01 22 23 00-0674 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	505.66	
01 22 23 00-0675 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	1,090.65	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-43.63	
<b>01 22 23 00-0676 Generator Sets (01 22 23 00-0661)</b>		
<b>01 22 23 00-0677 Portable, Gas Powered Generator Sets (01 22 23 00-0676)</b>		
Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0829 for reimbursable fuel fees.		
01 22 23 00-0678 DAY 3.6 KW Gas Powered Generator Set.....	55.05	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	6.88	
<i>For Half Day Usage, Deduct</i>	-17.20	
01 22 23 00-0679 WK 3.6 KW Gas Powered Generator Set.....	198.43	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	24.80	
01 22 23 00-0680 MO 3.6 KW Gas Powered Generator Set.....	550.49	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	68.81	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-22.02	
01 22 23 00-0681 DAY 5 KW Gas Powered Generator Set.....	78.09	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	9.76	
<i>For Half Day Usage, Deduct</i>	-24.40	
01 22 23 00-0682 WK 5 KW Gas Powered Generator Set.....	249.64	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	31.21	
01 22 23 00-0683 MO 5 KW Gas Powered Generator Set.....	569.69	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	71.21	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-22.79	
01 22 23 00-0684 DAY 6.5 KW Gas Powered Generator Set.....	99.86	
Note: Fuel consumption: 100% load – 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	12.48	
<i>For Half Day Usage, Deduct</i>	-31.21	
01 22 23 00-0685 WK 6.5 KW Gas Powered Generator Set.....	268.84	
Note: Fuel consumption: 100% load – 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	33.61	
01 22 23 00-0686 MO 6.5 KW Gas Powered Generator Set.....	742.52	
Note: Fuel consumption: 100% load – 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	92.82	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-29.70	
01 22 23 00-0687 DAY 10 KW Gas Powered Generator Set.....	111.38	
Note: Fuel consumption: 100% load – 1.35 gallons per hour		
<i>For LP Or NG Gas, Add</i>	13.92	
<i>For Half Day Usage, Deduct</i>	-34.81	
01 22 23 00-0688 WK 10 KW Gas Powered Generator Set.....	300.85	
Note: Fuel consumption: 100% load – 1.35 gallons per hour		
<i>For LP Or NG Gas, Add</i>	37.61	
01 22 23 00-0689 MO 10 KW Gas Powered Generator Set.....	864.14	
Note: Fuel consumption: 100% load – 1.35 gallons per hour		
<i>For LP Or NG Gas, Add</i>	108.02	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-34.57	

01	<b>01</b>	<b>General Requirements</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0690 DAY 15 KW Gas Powered Generator Set.....	203.94	
Note: Fuel consumption: 100% load – 1.70 gallons per hour		
<i>For LP Or NG Gas, Add</i>	25.49	
<i>For Half Day Usage, Deduct</i>	-63.73	
01 22 23 00-0691 WK 15 KW Gas Powered Generator Set.....	579.34	
Note: Fuel consumption: 100% load – 1.6 gallons per hour		
<i>For LP Or NG Gas, Add</i>	72.42	
01 22 23 00-0692 MO 15 KW Gas Powered Generator Set.....	1,251.40	
Note: Fuel consumption: 100% load – 1.6 gallons per hour		
<i>For LP Or NG Gas, Add</i>	156.43	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-50.06	
<b>01 22 23 00-0693 Towable, Diesel Powered Generator Sets</b> <small>(01 22 23 00-0676)</small>		
Note: Includes 24 hour day-tank on sizes up to 180 KW, 40 hour day-tank for sizes greater than 180 KW To 300 KW and 1,000 gallon for sizes greater than 300 KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0829 for reimbursable fuel fees.		
01 22 23 00-0694 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	229.16	
Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	91.66	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	183.33	
<i>For Tier 4 Diesel Generator, Add</i>	83.64	
01 22 23 00-0695 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	599.13	
Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	239.65	
<i>For &gt;80 Hours Usage Per Week, Add</i>	479.30	
<i>For Tier 4 Diesel Generator, Add</i>	218.68	
01 22 23 00-0696 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,632.26	
Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	652.90	
<i>For &gt;320 Hours Usage Per Month, Add</i>	1,305.81	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-65.29	
<i>For Tier 4 Diesel Generator, Add</i>	595.77	
01 22 23 00-0697 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	374.91	
Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	149.96	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	299.93	
<i>For Tier 4 Diesel Generator, Add</i>	136.84	
01 22 23 00-0698 WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,112.65	
Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	445.06	
<i>For &gt;80 Hours Usage Per Week, Add</i>	890.12	
<i>For Tier 4 Diesel Generator, Add</i>	406.12	
01 22 23 00-0699 MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,297.86	
Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	919.14	
<i>For &gt;320 Hours Usage Per Month, Add</i>	1,838.29	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-91.91	
<i>For Tier 4 Diesel Generator, Add</i>	838.72	
01 22 23 00-0700 DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	411.20	
Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	164.48	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	328.96	
<i>For Tier 4 Diesel Generator, Add</i>	150.09	
01 22 23 00-0701 WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,148.93	
Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	459.57	
<i>For &gt;80 Hours Usage Per Week, Add</i>	919.14	
<i>For Tier 4 Diesel Generator, Add</i>	419.36	
01 22 23 00-0702 MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,539.74	
Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,015.90	
<i>For &gt;320 Hours Usage Per Month, Add</i>	2,031.79	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-101.59	
<i>For Tier 4 Diesel Generator, Add</i>	927.01	
01 22 23 00-0703 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	441.43	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	176.57	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	353.14	
<i>For Tier 4 Diesel Generator, Add</i>	161.12	
01 22 23 00-0704 WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,209.40	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	483.76	
<i>For &gt;80 Hours Usage Per Week, Add</i>	967.52	
<i>For Tier 4 Diesel Generator, Add</i>	441.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0705 MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> <i>For Tier 4 Diesel Generator, Add</i>	2,902.56  1,161.02 2,322.05 -116.10 1,059.43	
01 22 23 00-0706 DAY 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	483.76  193.50 387.01 176.57	
01 22 23 00-0707 WK 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	1,372.67  549.07 1,098.14 501.02	
01 22 23 00-0708 MO 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> <i>For Tier 4 Diesel Generator, Add</i>	3,265.38  1,306.15 2,612.30 -130.62 1,191.86	
01 22 23 00-0709 DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	544.23  217.69 435.38 198.64	
01 22 23 00-0710 WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	1,451.28  580.51 1,161.02 529.72	
01 22 23 00-0711 MO 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> <i>For Tier 4 Diesel Generator, Add</i>	3,628.20  1,451.28 2,902.56 -145.13 1,324.29	
01 22 23 00-0712 DAY 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	562.37  224.95 449.90 177.15	
01 22 23 00-0713 WK 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	1,511.75  604.70 1,209.40 476.20	
01 22 23 00-0714 MO 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> <i>For Tier 4 Diesel Generator, Add</i>	4,111.96  1,644.78 3,289.57 -164.48 1,295.27	
01 22 23 00-0715 DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	634.94  253.98 507.95 200.01	
01 22 23 00-0716 WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i> <i>For Tier 4 Diesel Generator, Add</i>	1,753.63  701.45 1,402.90 552.39	
01 22 23 00-0717 MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> <i>For Tier 4 Diesel Generator, Add</i>	4,716.66  1,886.66 3,773.33 -188.67 1,485.75	

<b>01</b>	<b>General Requirements</b>
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0718	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	665.17	
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	266.07	
		For >16 To 24 Hours Usage Per Day, Add	532.14	
		For Tier 4 Diesel Generator, Add	209.53	
01 22 23 00-0719	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,844.34	
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	737.74	
		For >80 Hours Usage Per Week, Add	1,475.47	
		For Tier 4 Diesel Generator, Add	580.97	
01 22 23 00-0720	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,200.42	
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	2,080.17	
		For >320 Hours Usage Per Month, Add	4,160.34	
		For >6 Months (>26 Weeks), Deduct	-208.02	
		For Tier 4 Diesel Generator, Add	1,638.13	
01 22 23 00-0721	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	695.40	
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	278.16	
		For >16 To 24 Hours Usage Per Day, Add	556.32	
		For Tier 4 Diesel Generator, Add	219.05	
01 22 23 00-0722	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,995.51	
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	798.20	
		For >80 Hours Usage Per Week, Add	1,596.41	
		For Tier 4 Diesel Generator, Add	628.59	
01 22 23 00-0723	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,442.30	
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	2,176.92	
		For >320 Hours Usage Per Month, Add	4,353.84	
		For >6 Months (>26 Weeks), Deduct	-217.69	
		For Tier 4 Diesel Generator, Add	1,714.32	
01 22 23 00-0724	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	725.64	
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	290.26	
		For >16 To 24 Hours Usage Per Day, Add	580.51	
		For Tier 4 Diesel Generator, Add	228.58	
01 22 23 00-0725	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,116.45	
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	846.58	
		For >80 Hours Usage Per Week, Add	1,693.16	
		For Tier 4 Diesel Generator, Add	666.68	
01 22 23 00-0726	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,684.18	
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	2,273.67	
		For >320 Hours Usage Per Month, Add	4,547.34	
		For >6 Months (>26 Weeks), Deduct	-227.37	
		For Tier 4 Diesel Generator, Add	1,790.52	
01 22 23 00-0727	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	725.64	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	290.26	
		For >16 To 24 Hours Usage Per Day, Add	580.51	
		For Tier 4 Diesel Generator, Add	228.58	
01 22 23 00-0728	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,116.45	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	846.58	
		For >80 Hours Usage Per Week, Add	1,693.16	
		For Tier 4 Diesel Generator, Add	666.68	
01 22 23 00-0729	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,684.18	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	2,273.67	
		For >320 Hours Usage Per Month, Add	4,547.34	
		For >6 Months (>26 Weeks), Deduct	-227.37	
		For Tier 4 Diesel Generator, Add	1,790.52	
01 22 23 00-0730	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	997.76	
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	399.10	
		For >16 To 24 Hours Usage Per Day, Add	798.21	
		For Tier 4 Diesel Generator, Add	314.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0731 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	2,479.27	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	991.71	
<i>For &gt;80 Hours Usage Per Week, Add</i>	1,983.42	
<i>For Tier 4 Diesel Generator, Add</i>	780.97	
01 22 23 00-0732 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	7,256.40	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	2,902.56	
<i>For &gt;320 Hours Usage Per Month, Add</i>	5,805.12	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-290.26	
<i>For Tier 4 Diesel Generator, Add</i>	2,285.77	
01 22 23 00-0733 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,058.22	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	423.29	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	846.58	
<i>For Tier 4 Diesel Generator, Add</i>	285.72	
01 22 23 00-0734 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	2,539.74	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,015.90	
<i>For &gt;80 Hours Usage Per Week, Add</i>	2,031.79	
<i>For Tier 4 Diesel Generator, Add</i>	685.73	
01 22 23 00-0735 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	7,498.28	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	2,999.31	
<i>For &gt;320 Hours Usage Per Month, Add</i>	5,998.62	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-299.93	
<i>For Tier 4 Diesel Generator, Add</i>	2,024.54	
01 22 23 00-0736 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,118.70	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	447.48	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	894.96	
<i>For Tier 4 Diesel Generator, Add</i>	302.05	
01 22 23 00-0737 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	2,600.21	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,040.08	
<i>For &gt;80 Hours Usage Per Week, Add</i>	2,080.17	
<i>For Tier 4 Diesel Generator, Add</i>	702.06	
01 22 23 00-0738 MO 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	7,740.16	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,096.06	
<i>For &gt;320 Hours Usage Per Month, Add</i>	6,192.13	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-309.61	
<i>For Tier 4 Diesel Generator, Add</i>	2,089.84	
01 22 23 00-0739 DAY 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,154.98	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	461.99	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	923.98	
<i>For Tier 4 Diesel Generator, Add</i>	311.84	
01 22 23 00-0740 WK 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	2,781.62	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,112.65	
<i>For &gt;80 Hours Usage Per Week, Add</i>	2,225.30	
<i>For Tier 4 Diesel Generator, Add</i>	751.04	
01 22 23 00-0741 MO 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	8,223.92	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,289.57	
<i>For &gt;320 Hours Usage Per Month, Add</i>	6,579.14	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-328.96	
<i>For Tier 4 Diesel Generator, Add</i>	2,220.46	
01 22 23 00-0742 DAY 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,209.40	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	483.76	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	967.52	
<i>For Tier 4 Diesel Generator, Add</i>	326.54	
01 22 23 00-0743 WK 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....	3,144.44	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,257.78	
<i>For &gt;80 Hours Usage Per Week, Add</i>	2,515.55	
<i>For Tier 4 Diesel Generator, Add</i>	849.00	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0744 MO 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	9,070.50	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,628.20	
For >320 Hours Usage Per Month, Add	7,256.40	
For >6 Months (>26 Weeks), Deduct	-362.82	
For Tier 4 Diesel Generator, Add	2,449.04	
01 22 23 00-0745 DAY 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,185.21	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	874.08	
For >16 To 24 Hours Usage Per Day, Add	1,748.17	
For Tier 4 Diesel Generator, Add	590.01	
01 22 23 00-0746 WK 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,649.79	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,259.92	
For >80 Hours Usage Per Week, Add	4,519.83	
For Tier 4 Diesel Generator, Add	1,525.44	
01 22 23 00-0747 MO 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	14,941.60	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	5,976.64	
For >320 Hours Usage Per Month, Add	11,953.28	
For >6 Months (>26 Weeks), Deduct	-597.66	
For Tier 4 Diesel Generator, Add	4,034.23	
01 22 23 00-0748 DAY 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,801.55	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,120.62	
For >16 To 24 Hours Usage Per Day, Add	2,241.24	
For Tier 4 Diesel Generator, Add	756.42	
01 22 23 00-0749 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,284.03	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,913.61	
For >80 Hours Usage Per Week, Add	5,827.22	
For Tier 4 Diesel Generator, Add	1,966.69	
01 22 23 00-0750 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,809.30	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	6,723.72	
For >320 Hours Usage Per Month, Add	13,447.44	
For >6 Months (>26 Weeks), Deduct	-672.37	
For Tier 4 Diesel Generator, Add	4,538.51	
01 22 23 00-0751 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,464.58	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,385.83	
For >16 To 24 Hours Usage Per Day, Add	2,771.66	
For Tier 4 Diesel Generator, Add	848.82	
01 22 23 00-0752 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	9,151.73	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,660.69	
For >80 Hours Usage Per Week, Add	7,321.38	
For Tier 4 Diesel Generator, Add	2,242.17	
01 22 23 00-0753 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	22,412.40	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	8,964.96	
For >320 Hours Usage Per Month, Add	17,929.92	
For >6 Months (>26 Weeks), Deduct	-896.50	
For Tier 4 Diesel Generator, Add	5,491.04	
01 22 23 00-0754 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,744.74	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,497.90	
For >16 To 24 Hours Usage Per Day, Add	2,995.79	
For Tier 4 Diesel Generator, Add	917.46	
01 22 23 00-0755 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	8,628.77	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,451.51	
For >80 Hours Usage Per Week, Add	6,903.02	
For Tier 4 Diesel Generator, Add	2,114.05	
01 22 23 00-0756 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	25,886.32	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	10,354.53	
For >320 Hours Usage Per Month, Add	20,709.06	
For >6 Months (>26 Weeks), Deduct	-1,035.45	
For Tier 4 Diesel Generator, Add	6,342.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0757 DAY 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	4,249.02	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,699.61	
For >16 To 24 Hours Usage Per Day, Add	3,399.22	
For Tier 4 Diesel Generator, Add	1,041.01	
01 22 23 00-0758 WK 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	11,103.48	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	4,441.39	
For >80 Hours Usage Per Week, Add	8,882.78	
For Tier 4 Diesel Generator, Add	2,720.35	
01 22 23 00-0759 MO 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	30,415.49	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	12,166.20	
For >320 Hours Usage Per Month, Add	24,332.39	
For >6 Months (>26 Weeks), Deduct	-1,216.62	
For Tier 4 Diesel Generator, Add	7,451.80	
01 22 23 00-0760 DAY 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,603.10	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	2,241.24	
For >16 To 24 Hours Usage Per Day, Add	4,482.48	
For Tier 4 Diesel Generator, Add	1,036.57	
01 22 23 00-0761 WK 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,809.30	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	6,723.72	
For >80 Hours Usage Per Week, Add	13,447.44	
For Tier 4 Diesel Generator, Add	3,109.72	
01 22 23 00-0762 MO 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	48,196.00	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	19,278.40	
For >320 Hours Usage Per Month, Add	38,556.80	
For Tier 4 Diesel Generator, Add	8,916.26	
01 22 23 00-0763 DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,386.75	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	2,954.70	
For >16 To 24 Hours Usage Per Day, Add	5,909.40	
For Tier 4 Diesel Generator, Add	1,366.55	
01 22 23 00-0764 WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,471.55	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	7,388.62	
For >80 Hours Usage Per Week, Add	14,777.24	
For Tier 4 Diesel Generator, Add	3,417.24	
01 22 23 00-0765 MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	50,427.90	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	20,171.16	
For >320 Hours Usage Per Month, Add	40,342.32	
For >6 Months (>26 Weeks), Deduct	-2,017.12	
For Tier 4 Diesel Generator, Add	9,329.16	
01 22 23 00-0766 EA Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set.....	959.07	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0767 EA Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set.....	1,305.57	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0768 EA Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set.....	1,700.45	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0769 EA Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set.....	2,159.73	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0770 EA Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set.....	2,989.70	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
<b>01 22 23 00-0771 Cabling For Generator Sets (01 22 23 00-0676)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0772 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	26.61	
For Half Day Usage, Deduct	-8.32	
01 22 23 00-0773 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	46.56	
01 22 23 00-0774 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	139.69	
For >6 Months (>26 Weeks), Deduct	-5.59	
01 22 23 00-0775 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	13.30	
For Half Day Usage, Deduct	-4.16	
01 22 23 00-0776 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	38.70	
01 22 23 00-0777 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	107.64	
For >6 Months (>26 Weeks), Deduct	-4.31	
<b>01 22 23 00-0778 Resistive Loadbanks For Generator Sets (01 22 23 00-0676)</b>		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0829 for reimbursable fuel fees.		
01 22 23 00-0779 DAY 100 KW A/C Resistive Load Bank.....	250.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0780 WK 100 KW A/C Resistive Load Bank .....	570.00	
01 22 23 00-0781 MO 100 KW A/C Resistive Load Bank .....	1,710.00	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-68.40	
01 22 23 00-0782 DAY 250 KW A/C Resistive Load Bank .....	313.00	
01 22 23 00-0783 WK 250 KW A/C Resistive Load Bank .....	690.00	
01 22 23 00-0784 MO 250 KW A/C Resistive Load Bank .....	2,068.00	
01 22 23 00-0785 DAY 400 KW A/C Resistive Load Bank .....	390.00	
01 22 23 00-0786 WK 400 KW A/C Resistive Load Bank .....	835.00	
01 22 23 00-0787 MO 400 KW A/C Resistive Load Bank .....	2,505.00	
01 22 23 00-0788 DAY 500 KW A/C Resistive Load Bank .....	457.00	
01 22 23 00-0789 WK 500 KW A/C Resistive Load Bank .....	1,250.00	
01 22 23 00-0790 MO 500 KW A/C Resistive Load Bank .....	3,750.00	
01 22 23 00-0791 DAY 650 KW A/C Resistive Load Bank .....	517.00	
01 22 23 00-0792 WK 650 KW A/C Resistive Load Bank .....	1,565.00	
01 22 23 00-0793 MO 650 KW A/C Resistive Load Bank .....	4,695.00	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-187.80	
01 22 23 00-0794 DAY 750 KW A/C Resistive Load Bank .....	549.00	
01 22 23 00-0795 WK 750 KW A/C Resistive Load Bank .....	1,733.00	
01 22 23 00-0796 MO 750 KW A/C Resistive Load Bank .....	5,199.00	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-207.96	
01 22 23 00-0797 DAY 1,000 KW A/C Resistive Load Bank .....	597.00	
01 22 23 00-0798 WK 1,000 KW A/C Resistive Load Bank .....	1,985.00	
01 22 23 00-0799 MO 1,000 KW A/C Resistive Load Bank .....	5,955.00	
01 22 23 00-0800 DAY 1,250 KW A/C Resistive Load Bank .....	657.00	
01 22 23 00-0801 WK 1,250 KW A/C Resistive Load Bank .....	2,300.00	
01 22 23 00-0802 MO 1,250 KW A/C Resistive Load Bank .....	6,900.00	
01 22 23 00-0803 DAY 1,500 KW A/C Resistive Load Bank .....	1,191.00	
01 22 23 00-0804 WK 1,500 KW A/C Resistive Load Bank .....	4,096.00	
01 22 23 00-0805 MO 1,500 KW A/C Resistive Load Bank .....	13,337.00	
01 22 23 00-0806 DAY 2,000 KW A/C Resistive Load Bank .....	1,445.00	
01 22 23 00-0807 WK 2,000 KW A/C Resistive Load Bank .....	5,000.00	
01 22 23 00-0808 MO 2,000 KW A/C Resistive Load Bank .....	16,500.00	
01 22 23 00-0809 DAY 2,500 KW A/C Resistive Load Bank .....	1,964.00	
01 22 23 00-0810 WK 2,500 KW A/C Resistive Load Bank .....	6,875.00	
01 22 23 00-0811 MO 2,500 KW A/C Resistive Load Bank .....	20,625.00	
01 22 23 00-0812 DAY 3,000 KW A/C Resistive Load Bank .....	2,310.00	
01 22 23 00-0813 WK 3,000 KW A/C Resistive Load Bank .....	7,500.00	
01 22 23 00-0814 MO 3,000 KW A/C Resistive Load Bank .....	22,500.00	
<b>01 22 23 00-0815 Sub-Distribution Panels (Spider Box) For Generator Sets</b> <small>(01 22 23 00-0676)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0816 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) .....	65.31	
<i>For Half Day Usage, Deduct</i>	-20.41	
01 22 23 00-0817 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) .....	169.32	
01 22 23 00-0818 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) .....	477.71	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-19.11	
<b>01 22 23 00-0819 Portable Distribution Panels For Generator Sets</b> <small>(01 22 23 00-0676)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0820 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel .....	145.13	
<i>For Half Day Usage, Deduct</i>	-45.35	
01 22 23 00-0821 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel .....	393.06	
01 22 23 00-0822 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel .....	1,100.55	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-44.02	
01 22 23 00-0823 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	118.52	
<i>For Half Day Usage, Deduct</i>	-37.04	
01 22 23 00-0824 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	308.40	
01 22 23 00-0825 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	876.82	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-35.07	
01 22 23 00-0826 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	151.18	
<i>For Half Day Usage, Deduct</i>	-47.24	
01 22 23 00-0827 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	380.96	
01 22 23 00-0828 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel .....	1,034.04	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-41.36	
<b>01 22 23 00-0829 Fuel Reimbursement For Generators</b> <small>(01 22 23 00-0676)</small>		
01 22 23 00-0830 EA Fuel Reimbursement For Generators .....	1.00	
<i>Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.</i>		
<b>01 22 23 00-0831 Generator Accessories</b> <small>(01 22 23 00-0676)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
<b>01 22 23 00-0832 Step Down Transformer</b> <small>(01 22 23 00-0831)</small>		
01 22 23 00-0833 WK 75 KVA, 480-208 Volt, Step Down Transformer .....	356.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0834 MO 75 KVA, 480-208 Volt, Step Down Transformer .....	997.76	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-39.91	
01 22 23 00-0835 WK 150 KVA, 480-208 Volt, Step Down Transformer .....	572.05	
01 22 23 00-0836 MO 150 KVA, 480-208 Volt, Step Down Transformer .....	1,714.93	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-68.60	
01 22 23 00-0837 WK 225 KVA, 480-208 Volt, Step Down Transformer .....	761.92	
01 22 23 00-0838 MO 225 KVA, 480-208 Volt, Step Down Transformer .....	2,285.77	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-91.43	
01 22 23 00-0839 WK 500 KVA, 480-208 Volt, Step Down Transformer .....	907.05	
01 22 23 00-0840 MO 500 KVA, 480-208 Volt, Step Down Transformer .....	2,721.15	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-108.85	
01 22 23 00-0841 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,354.53	
01 22 23 00-0842 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	4,045.44	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-161.82	
01 22 23 00-0843 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,201.11	
01 22 23 00-0844 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,597.28	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-263.89	
01 22 23 00-0845 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....	2,539.74	
01 22 23 00-0846 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....	7,619.22	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-304.77	
<b>01 22 23 00-0847 Portable Panel</b> <small>(01 22 23 00-0831)</small>		
01 22 23 00-0848 WK 100 Amperes, Portable Panel.....	284.21	
01 22 23 00-0849 MO 100 Amperes, Portable Panel.....	725.64	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-29.03	
01 22 23 00-0850 WK 200 Amperes, Portable Panel.....	339.84	
01 22 23 00-0851 MO 200 Amperes, Portable Panel.....	907.05	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-36.28	
01 22 23 00-0852 WK 400 Amperes, Portable Panel.....	362.82	
01 22 23 00-0853 MO 400 Amperes, Portable Panel.....	1,088.46	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-43.54	
<b>01 22 23 00-0854 Portable Fusible Disconnect</b> <small>(01 22 23 00-0831)</small>		
01 22 23 00-0855 WK 100 - 200 Amperes, Portable Fusible Disconnect.....	126.99	
01 22 23 00-0856 MO 100 - 200 Amperes, Portable Fusible Disconnect.....	380.96	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-15.24	
01 22 23 00-0857 WK 300 - 400 Amperes, Portable Fusible Disconnect.....	253.97	
01 22 23 00-0858 MO 300 - 400 Amperes, Portable Fusible Disconnect.....	761.92	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-30.48	
<b>01 22 23 00-0859 Portable Transfer Switch</b> <small>(01 22 23 00-0831)</small>		
01 22 23 00-0860 WK 100 Amperes, 480 Volt, Portable Transfer Switch .....	380.96	
01 22 23 00-0861 MO 100 Amperes, 480 Volt, Portable Transfer Switch .....	1,142.88	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-45.72	
01 22 23 00-0862 WK 200 Amperes, 480 Volt, Portable Transfer Switch .....	507.95	
01 22 23 00-0863 MO 200 Amperes, 480 Volt, Portable Transfer Switch .....	1,523.84	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-60.95	
01 22 23 00-0864 WK 400 Amperes, 480 Volt, Portable Transfer Switch .....	634.94	
01 22 23 00-0865 MO 400 Amperes, 480 Volt, Portable Transfer Switch .....	1,904.80	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-76.19	
<b>01 22 23 00-0866 Welding Machines</b> <small>(01 22 23 00-0861)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
<b>01 22 23 00-0867 CC/CV Inverter Welder</b> <small>(01 22 23 00-0866)</small>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0829 for reimbursable fuel fees.		
01 22 23 00-0868 DAY 250 Amperes, CC Inverter Welder.....	44.92	
<i>For Half Day Usage, Deduct</i>	-14.04	
01 22 23 00-0869 WK 250 Amperes, CC Inverter Welder.....	97.86	
01 22 23 00-0870 MO 250 Amperes, CC Inverter Welder.....	296.80	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-11.87	
01 22 23 00-0871 DAY 300 Amperes, CC/CV Inverter Welder.....	51.34	
<i>For Half Day Usage, Deduct</i>	-16.04	
01 22 23 00-0872 WK 300 Amperes, CC/CV Inverter Welder.....	136.37	
01 22 23 00-0873 MO 300 Amperes, CC/CV Inverter Welder.....	360.97	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-14.44	
01 22 23 00-0874 DAY 350 Amperes, CC/CV Inverter Welder.....	52.94	
<i>For Half Day Usage, Deduct</i>	-16.54	
01 22 23 00-0875 WK 350 Amperes, CC/CV Inverter Welder.....	139.57	
01 22 23 00-0876 MO 350 Amperes, CC/CV Inverter Welder.....	393.05	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-15.72	
<b>01 22 23 00-0877 MIG Welder</b> <small>(01 22 23 00-0866)</small>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0829 for reimbursable fuel fees.		
01 22 23 00-0878 DAY 115 Volt MIG Welder .....	77.01	
<i>For Half Day Usage, Deduct</i>	-24.07	
01 22 23 00-0879 WK 115 Volt MIG Welder .....	200.54	

<b>01</b>	<b>General Requirements</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0880 MO 115 Volt MIG Welder..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	545.46 -21.82	
<b>01 22 23 00-0881 Diesel Powered Towable Welding Machines</b> <small>(01 22 23 00-0866)</small> Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0882 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine ..... <i>For Half Day Usage, Deduct</i>	144.39 -45.12	
01 22 23 00-0883 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	352.95	
01 22 23 00-0884 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	842.26 -33.69	
01 22 23 00-0885 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine ..... <i>For Half Day Usage, Deduct</i>	192.52 -60.16	
01 22 23 00-0886 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	377.01	
01 22 23 00-0887 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	880.76 -35.23	
01 22 23 00-0888 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine ..... <i>For Half Day Usage, Deduct</i>	200.54 -62.67	
01 22 23 00-0889 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	401.08	
01 22 23 00-0890 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	978.62 -39.14	
<b>01 22 23 00-0891 General Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0892 Jacks And Bracing</b> <small>(01 22 23 00-0891)</small> Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0893 Manual Hydraulic Jacks</b> <small>(01 22 23 00-0892)</small>		
01 22 23 00-0894 DAY 12 Ton Manual Hydraulic Bottle Jack..... <i>For Half Day Usage, Deduct</i>	1.67 -0.52	
01 22 23 00-0895 WK 12 Ton Manual Hydraulic Bottle Jack.....	7.93	
01 22 23 00-0896 MO 12 Ton Manual Hydraulic Bottle Jack..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	28.50 -1.14	
01 22 23 00-0897 DAY 20 Ton Manual Hydraulic Bottle Jack..... <i>For Half Day Usage, Deduct</i>	2.92 -0.91	
01 22 23 00-0898 WK 20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0899 MO 20 Ton Manual Hydraulic Bottle Jack..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	34.76 -1.39	
01 22 23 00-0900 DAY 50 Ton Manual Hydraulic Bottle Jack..... <i>For Half Day Usage, Deduct</i>	10.43 -3.26	
01 22 23 00-0901 WK 50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0902 MO 50 Ton Manual Hydraulic Bottle Jack..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	145.66 -5.83	
01 22 23 00-0903 DAY 100 Ton Manual Hydraulic Bottle Jack..... <i>For Half Day Usage, Deduct</i>	14.61 -4.57	
01 22 23 00-0904 WK 100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0905 MO 100 Ton Manual Hydraulic Bottle Jack..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	210.46 -8.42	
<b>01 22 23 00-0906 Manual Screw Jacks</b> <small>(01 22 23 00-0892)</small>		
01 22 23 00-0907 DAY 10 To 20 Ton Manual Screw Jack ..... <i>For Half Day Usage, Deduct</i>	19.16 -5.99	
01 22 23 00-0908 WK 10 To 20 Ton Manual Screw Jack .....	50.71	
01 22 23 00-0909 MO 10 To 20 Ton Manual Screw Jack ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	152.12 -6.08	
<b>01 22 23 00-0910 Shores/Braces</b> <small>(01 22 23 00-0892)</small>		
01 22 23 00-0911 MO Up To 5' Height, Adjustable Tubular Steel Shoring.....	15.78	
01 22 23 00-0912 MO Up To 10' Height, Adjustable Tubular Steel Shoring.....	20.28	
01 22 23 00-0913 MO >10' To 16' Height, Adjustable Tubular Steel Shoring.....	27.04	
01 22 23 00-0914 MO Up To 10' Height, Adjustable Wood Shoring.....	6.37	
01 22 23 00-0915 MO >10' To 16' Height, Adjustable Wood Shoring.....	8.49	
01 22 23 00-0916 EA Erect And Strip Shores To 10'..... <i>For &gt;20 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	12.01 -1.80 -4.20 -6.61	
01 22 23 00-0917 EA Erect And Strip Shores To 13'..... <i>For &gt;20 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	14.41 -2.16 -5.04 -7.93	
01 22 23 00-0918 EA Erect And Strip Shores To 16'..... <i>For &gt;20 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	16.81 -2.52 -5.88 -9.25	
<b>01 22 23 00-0919 Pressure Washers</b> <small>(01 22 23 00-0891)</small> Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0920 DAY 2,000 PSI Pressure Washer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	871.19 -762.33 -415.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0921 WK 2,000 PSI Pressure Washer With Full-Time Operator .....	4,087.99	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0922 MO 2,000 PSI Pressure Washer With Full-Time Operator .....	17,220.55	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-28.13	
01 22 23 00-0923 DAY 2,500 PSI Pressure Washer With Full-Time Operator .....	871.19	
For Equipment Without Operator, Deduct	-762.33	
For Half Day Usage, Deduct	-415.18	
01 22 23 00-0924 WK 2,500 PSI Pressure Washer With Full-Time Operator .....	4,087.99	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0925 MO 2,500 PSI Pressure Washer With Full-Time Operator .....	17,220.55	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-28.13	
01 22 23 00-0926 DAY 3,000 PSI Pressure Washer With Full-Time Operator .....	871.19	
For Equipment Without Operator, Deduct	-762.33	
For Half Day Usage, Deduct	-415.18	
01 22 23 00-0927 WK 3,000 PSI Pressure Washer With Full-Time Operator .....	4,087.99	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0928 MO 3,000 PSI Pressure Washer With Full-Time Operator .....	17,220.55	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-28.13	
01 22 23 00-0929 DAY 3,500 PSI Pressure Washer With Full-Time Operator .....	879.56	
For Equipment Without Operator, Deduct	-762.33	
For Half Day Usage, Deduct	-417.80	
01 22 23 00-0930 WK 3,500 PSI Pressure Washer With Full-Time Operator .....	4,113.11	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0931 MO 3,500 PSI Pressure Washer With Full-Time Operator .....	17,287.54	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-30.81	
01 22 23 00-0932 DAY 4,000 PSI Pressure Washer With Full-Time Operator .....	913.05	
For Equipment Without Operator, Deduct	-762.33	
For Half Day Usage, Deduct	-428.27	
01 22 23 00-0933 WK 4,000 PSI Pressure Washer With Full-Time Operator .....	4,221.96	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0934 MO 4,000 PSI Pressure Washer With Full-Time Operator .....	17,664.35	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-45.89	
01 22 23 00-0935 DAY 5,000 PSI Pressure Washer With Full-Time Operator .....	929.80	
For Equipment Without Operator, Deduct	-762.33	
For Half Day Usage, Deduct	-433.50	
01 22 23 00-0936 WK 5,000 PSI Pressure Washer With Full-Time Operator .....	4,263.83	
For Equipment Without Operator, Deduct	-3,811.66	
01 22 23 00-0937 MO 5,000 PSI Pressure Washer With Full-Time Operator .....	17,789.95	
For Equipment Without Operator, Deduct	-16,517.18	
For >6 Months (>26 Weeks), Deduct	-50.91	
<b>01 22 23 00-0938 Confined Space Entry Equipment</b> (01 22 23 00-0891)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0939 DAY Ventilation Equipment For Confined Space .....	43.98	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
For Half Day Usage, Deduct	-13.74	
01 22 23 00-0940 WK Ventilation Equipment For Confined Space .....	131.95	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0941 MO Ventilation Equipment For Confined Space .....	393.75	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
For >6 Months (>26 Weeks), Deduct	-15.75	
01 22 23 00-0942 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	67.81	
For Half Day Usage, Deduct	-21.19	
01 22 23 00-0943 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	203.44	
01 22 23 00-0944 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	610.31	
For >6 Months (>26 Weeks), Deduct	-24.41	
01 22 23 00-0945 DAY Confined Space Air Monitor Personnel .....	762.33	
Note: Per person day.		
For Half Day Usage, Deduct	-381.17	
<b>01 22 23 00-0946 Mowers</b> (01 22 23 00-0891)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0947 DAY 21" Walk Behind Lawn Mower .....	99.20	
For Half Day Usage, Deduct	-31.00	
01 22 23 00-0948 WK 21" Walk Behind Lawn Mower .....	285.19	
01 22 23 00-0949 MO 21" Walk Behind Lawn Mower .....	582.78	
For >6 Months (>26 Weeks), Deduct	-23.31	
01 22 23 00-0950 DAY 32" Walk Behind Lawn Mower .....	124.00	
For Half Day Usage, Deduct	-38.75	
01 22 23 00-0951 WK 32" Walk Behind Lawn Mower .....	297.59	
01 22 23 00-0952 MO 32" Walk Behind Lawn Mower .....	619.98	
For >6 Months (>26 Weeks), Deduct	-24.80	
01 22 23 00-0953 DAY 36" To 48" Walk Behind Deck Mower .....	223.19	
For Half Day Usage, Deduct	-69.75	
01 22 23 00-0954 WK 36" To 48" Walk Behind Deck Mower .....	619.98	
01 22 23 00-0955 MO 36" To 48" Walk Behind Deck Mower .....	1,797.93	
For >6 Months (>26 Weeks), Deduct	-71.92	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0956	DAY		61" To 72" Walk Behind Deck Mower .....	223.19	
			<i>For Half Day Usage, Deduct</i>	-69.75	
01 22 23 00-0957	WK		61" To 72" Walk Behind Deck Mower .....	619.98	
01 22 23 00-0958	MO		61" To 72" Walk Behind Deck Mower .....	1,797.93	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-71.92	
<b>01 22 23 00-0959</b>			<b>Trailer Mounted Brush Chipper</b> <small>(01 22 23 00-0891)</small>		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0960	DAY		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	192.25	
			<i>For Half Day Usage, Deduct</i>	-60.08	
01 22 23 00-0961	WK		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	459.72	
01 22 23 00-0962	MO		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	1,412.59	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-56.50	
01 22 23 00-0963	DAY		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	250.76	
			<i>For Half Day Usage, Deduct</i>	-78.36	
01 22 23 00-0964	WK		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	565.03	
01 22 23 00-0965	MO		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	1,504.53	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-60.18	
01 22 23 00-0966	DAY		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	468.08	
			<i>For Half Day Usage, Deduct</i>	-146.28	
01 22 23 00-0967	WK		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	1,053.17	
01 22 23 00-0968	MO		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	2,808.46	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-112.34	
01 22 23 00-0969	DAY		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	506.52	
			<i>For Half Day Usage, Deduct</i>	-158.29	
01 22 23 00-0970	WK		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	1,139.67	
01 22 23 00-0971	MO		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup .....	3,039.12	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-121.56	
<b>01 22 23 00-0972</b>			<b>Material Handling Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0973</b>			<b>Truck Mounted Hydraulic Cranes</b> <small>(01 22 23 00-0972)</small>		
			Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0974	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,598.51	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-704.99	
01 22 23 00-0975	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,001.80	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0976	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	28,325.20	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-183.36	
01 22 23 00-0977	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,731.59	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-746.58	
01 22 23 00-0978	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,397.35	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0979	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	29,508.16	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-230.68	
01 22 23 00-0980	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,864.67	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-788.16	
01 22 23 00-0981	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,792.91	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0982	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	30,691.12	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-278.00	
01 22 23 00-0983	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,042.12	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-843.62	
01 22 23 00-0984	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	8,325.24	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0985	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	32,280.72	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-341.58	
01 22 23 00-0986	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,204.77	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-894.44	
01 22 23 00-0987	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,426.87	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0988	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	35,582.66	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-473.66	
01 22 23 00-0989	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,589.24	
			<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
			<i>For Half Day Usage, Deduct</i>	-1,014.59	
01 22 23 00-0990	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	10,802.06	
			<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-0991	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	39,711.19	
			<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-638.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0992 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,833.22	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,090.83	
01 22 23 00-0993 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	11,659.71	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-0994 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	42,290.04	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-741.95	
01 22 23 00-0995 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,025.45	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,150.91	
01 22 23 00-0996 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	12,354.70	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-0997 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	44,372.05	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-825.23	
01 22 23 00-0998 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,217.68	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,210.98	
01 22 23 00-0999 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	13,049.68	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1000 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	46,454.06	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-908.51	
01 22 23 00-1001 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,343.37	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,250.26	
01 22 23 00-1002 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	13,478.51	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1003 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	47,755.32	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-960.56	
01 22 23 00-1004 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,513.42	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,303.40	
01 22 23 00-1005 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	14,114.35	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1006 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	49,648.05	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-1,036.27	
01 22 23 00-1007 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,060.54	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,474.37	
01 22 23 00-1008 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	15,855.52	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1009 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	54,871.56	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-1,245.21	
01 22 23 00-1010 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,437.61	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,592.21	
01 22 23 00-1011 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	17,175.26	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1012 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	58,830.78	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-1,403.58	
01 22 23 00-1013 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,117.81	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,804.77	
01 22 23 00-1014 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	19,555.96	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1015 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	65,972.90	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-1,689.27	
01 22 23 00-1016 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,591.00	
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-1,952.64	
01 22 23 00-1017 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	21,212.11	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1018 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	70,941.33	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-1,888.00	
<b>01 22 23 00-1019 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0972)</b>		
Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.		
01 22 23 00-1020 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....	2,870.19	
For Equipment Without Operator, Deduct	-1,095.75	
01 22 23 00-1021 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....	11,807.58	
For Equipment Without Operator, Deduct	-5,478.74	
01 22 23 00-1022 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....	42,727.74	
For Equipment Without Operator, Deduct	-23,741.23	
For >6 Months (>26 Weeks), Deduct	-759.46	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1023 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	4,237.99	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1024 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	14,084.77	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1025 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	49,559.33	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,032.72	
01 22 23 00-1026 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	4,459.79	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1027 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	15,703.95	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1028 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	54,415.38	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,226.97	
01 22 23 00-1029 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	4,903.40	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1030 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	17,323.13	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1031 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....	59,265.52	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,420.97	
01 22 23 00-1032 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	5,114.12	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1033 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	18,942.30	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1034 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	64,127.48	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,615.45	
01 22 23 00-1035 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	5,324.83	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1036 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	20,561.48	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1037 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	68,989.45	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1,809.93	
01 22 23 00-1038 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	6,019.82	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1039 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	23,053.09	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1040 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	76,453.93	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2,108.51	
01 22 23 00-1041 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	10,293.26	
<i>For Equipment Without Operator, Deduct</i>	-1,095.75	
01 22 23 00-1042 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	38,283.70	
<i>For Equipment Without Operator, Deduct</i>	-5,478.74	
01 22 23 00-1043 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	122,163.50	
<i>For Equipment Without Operator, Deduct</i>	-23,741.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-3,936.89	
<b>01 22 23 00-1044 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0972)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1045 DAY 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,614.00	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-697.10	
01 22 23 00-1046 WK 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	6,573.77	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-1047 MO 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	25,355.10	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-123.40	
01 22 23 00-1048 DAY 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,675.70	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-716.38	
01 22 23 00-1049 WK 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	6,712.60	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-1050 MO 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	25,663.60	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-135.74	
01 22 23 00-1051 DAY 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,660.27	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-711.56	
01 22 23 00-1052 WK 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	6,782.01	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-1053 MO 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	26,126.35	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-154.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1054 DAY 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,837.66	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Half Day Usage, Deduct</i>	-766.99	
01 22 23 00-1055 WK 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	7,244.76	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
01 22 23 00-1056 MO 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	27,206.10	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-197.44	
<b>01 22 23 00-1057 Straight Mast, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0972)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1058 DAY 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,408.85	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	76.20	
<i>For Half Day Usage, Deduct</i>	-632.99	
01 22 23 00-1059 WK 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,179.67	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	208.08	
01 22 23 00-1060 MO 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	24,651.33	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	476.25	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-95.25	
01 22 23 00-1061 DAY 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,428.90	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	80.21	
<i>For Half Day Usage, Deduct</i>	-639.25	
01 22 23 00-1062 WK 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,234.43	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	219.04	
01 22 23 00-1063 MO 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	24,776.66	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	501.31	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-100.26	
01 22 23 00-1064 DAY 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,536.87	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	101.80	
<i>For Half Day Usage, Deduct</i>	-672.99	
01 22 23 00-1065 WK 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,535.21	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	279.19	
01 22 23 00-1066 MO 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	25,470.79	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	640.14	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-128.03	
01 22 23 00-1067 DAY 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,596.34	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.70	
<i>For Half Day Usage, Deduct</i>	-691.58	
01 22 23 00-1068 WK 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,509.45	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	274.04	
01 22 23 00-1069 MO 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	25,681.03	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	682.19	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-136.44	
<b>01 22 23 00-1070 Straight Mast, Industrial Warehouse Forklifts</b> <small>(01 22 23 00-0972)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1071 DAY 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,351.77	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	64.78	
<i>For Half Day Usage, Deduct</i>	-615.15	
01 22 23 00-1072 WK 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,879.65	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	148.08	
01 22 23 00-1073 MO 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	24,043.98	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	354.78	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-70.96	
01 22 23 00-1074 DAY 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,359.49	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	66.33	
<i>For Half Day Usage, Deduct</i>	-617.56	
01 22 23 00-1075 WK 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,902.79	
<i>For Equipment Without Operator, Deduct</i>	-5,139.25	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	152.71	
01 22 23 00-1076 MO 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	24,097.96	
<i>For Equipment Without Operator, Deduct</i>	-22,270.10	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	365.57	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-73.11	
01 22 23 00-1077 DAY 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,521.45	
<i>For Equipment Without Operator, Deduct</i>	-1,027.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	98.72	
<i>For Half Day Usage, Deduct</i>	-668.18	

<b>01</b>	<b>General Requirements</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1078 WK 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	6,257.56	
For Equipment Without Operator, Deduct	-5,139.25	
For Propane Instead Of Gas Or Diesel, Add	223.66	
01 22 23 00-1079 MO 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	24,969.48	
For Equipment Without Operator, Deduct	-22,270.10	
For Propane Instead Of Gas Or Diesel, Add	539.88	
For >6 Months (>26 Weeks), Deduct	-107.98	
01 22 23 00-1080 DAY 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	1,536.87	
For Equipment Without Operator, Deduct	-1,027.85	
For Propane Instead Of Gas Or Diesel, Add	101.80	
For Half Day Usage, Deduct	-672.99	
01 22 23 00-1081 WK 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	6,388.67	
For Equipment Without Operator, Deduct	-5,139.25	
For Propane Instead Of Gas Or Diesel, Add	249.88	
01 22 23 00-1082 MO 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	25,432.22	
For Equipment Without Operator, Deduct	-22,270.10	
For Propane Instead Of Gas Or Diesel, Add	632.42	
For >6 Months (>26 Weeks), Deduct	-126.48	
01 22 23 00-1083 DAY 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	1,675.70	
For Equipment Without Operator, Deduct	-1,027.85	
For Propane Instead Of Gas Or Diesel, Add	129.57	
For Half Day Usage, Deduct	-716.38	
01 22 23 00-1084 WK 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	6,612.34	
For Equipment Without Operator, Deduct	-5,139.25	
For Propane Instead Of Gas Or Diesel, Add	294.62	
01 22 23 00-1085 MO 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator .....	25,817.85	
For Equipment Without Operator, Deduct	-22,270.10	
For Propane Instead Of Gas Or Diesel, Add	709.55	
For >6 Months (>26 Weeks), Deduct	-141.91	
<b>01 22 23 00-1086 Chain Hoists</b> (01 22 23 00-0972)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1087 DAY 1 Ton, 20' Lift, Manual Chain Hoist .....	12.52	
For Half Day Usage, Deduct	-3.91	
01 22 23 00-1088 WK 1 Ton, 20' Lift, Manual Chain Hoist .....	32.55	
01 22 23 00-1089 MO 1 Ton, 20' Lift, Manual Chain Hoist .....	96.40	
For >6 Months (>26 Weeks), Deduct	-3.86	
01 22 23 00-1090 DAY 3 Ton, 20' Lift, Manual Chain Hoist .....	35.06	
For Half Day Usage, Deduct	-10.96	
01 22 23 00-1091 WK 3 Ton, 20' Lift, Manual Chain Hoist .....	82.63	
01 22 23 00-1092 MO 3 Ton, 20' Lift, Manual Chain Hoist .....	231.62	
For >6 Months (>26 Weeks), Deduct	-9.26	
01 22 23 00-1093 DAY 5 Ton, 20' Lift, Manual Chain Hoist .....	45.07	
For Half Day Usage, Deduct	-14.08	
01 22 23 00-1094 WK 5 Ton, 20' Lift, Manual Chain Hoist .....	121.44	
01 22 23 00-1095 MO 5 Ton, 20' Lift, Manual Chain Hoist .....	338.04	
For >6 Months (>26 Weeks), Deduct	-13.52	
01 22 23 00-1096 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	88.89	
For Half Day Usage, Deduct	-27.78	
01 22 23 00-1097 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	231.62	
01 22 23 00-1098 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	626.00	
For >6 Months (>26 Weeks), Deduct	-25.04	
01 22 23 00-1099 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	90.14	
For Half Day Usage, Deduct	-28.17	
01 22 23 00-1100 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	241.01	
01 22 23 00-1101 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	657.30	
For >6 Months (>26 Weeks), Deduct	-26.29	
01 22 23 00-1102 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	92.65	
For Half Day Usage, Deduct	-28.95	
01 22 23 00-1103 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	259.79	
01 22 23 00-1104 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	719.90	
For >6 Months (>26 Weeks), Deduct	-28.80	
<b>01 22 23 00-1105 Roof Swing Hoist</b> (01 22 23 00-0972)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1106 DAY Up To 400 Lb., Manual Swing Roof Hoist .....	106.00	
For Half Day Usage, Deduct	-33.13	
01 22 23 00-1107 WK Up To 400 Lb., Manual Swing Roof Hoist .....	371.02	
01 22 23 00-1108 MO Up To 400 Lb., Manual Swing Roof Hoist .....	1,272.06	
For >6 Months (>26 Weeks), Deduct	-50.88	
<b>01 22 23 00-1109 Truck Mounted Digger Derrick</b> (01 22 23 00-0972)		
Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.		
01 22 23 00-1110 DAY Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator .....	1,795.74	
Note: Includes lifting boom, grapple arm and auger drill.		
For Equipment Without Operator, Deduct	-1,095.75	
For Half Day Usage, Deduct	-766.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1111 WK Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 7,578.70 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -5,478.74	7,578.70	
01 22 23 00-1112 MO Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 29,341.12 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -23,741.23 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -224.00	29,341.12	
01 22 23 00-1113 DAY Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 1,939.61 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -1,095.75 <i>For Half Day Usage, Deduct</i> -811.58	1,939.61	
01 22 23 00-1114 WK Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 8,010.33 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -5,478.74	8,010.33	
01 22 23 00-1115 MO Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 30,492.13 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -23,741.23 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -270.04	30,492.13	
01 22 23 00-1116 DAY Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 2,828.68 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -1,095.75 <i>For Half Day Usage, Deduct</i> -1,089.42	2,828.68	
01 22 23 00-1117 WK Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 10,677.54 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -5,478.74	10,677.54	
01 22 23 00-1118 MO Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator ..... 37,604.71 Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> -23,741.23 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -554.54	37,604.71	
<b>01 22 23 00-1119 Pumping Equipment</b> (01 22 23)		
<b>01 22 23 00-1120 Gas Powered Portable Centrifugal Pumps</b> (01 22 23 00-1119) Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1144 for larger diameter pumps.		
01 22 23 00-1121 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 80.88 <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 32.35 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 64.70	80.88	
01 22 23 00-1122 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 181.97 <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 72.79 <i>For &gt;80 Hours Usage Per Week, Add</i> 145.58	181.97	
01 22 23 00-1123 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 485.26 <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 194.10 <i>For &gt;320 Hours Usage Per Month, Add</i> 388.21 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -19.41	485.26	
01 22 23 00-1124 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 97.05 <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 38.82 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 77.64	97.05	
01 22 23 00-1125 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 218.37 <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 87.35 <i>For &gt;80 Hours Usage Per Week, Add</i> 174.70	218.37	
01 22 23 00-1126 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 582.31 <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 232.92 <i>For &gt;320 Hours Usage Per Month, Add</i> 465.85 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -23.29	582.31	
<b>01 22 23 00-1127 Gas Powered Portable Diaphragm Pumps</b> (01 22 23 00-1119) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1128 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 93.01 <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 37.20 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 74.41	93.01	
01 22 23 00-1129 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 262.85 <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 105.14 <i>For &gt;80 Hours Usage Per Week, Add</i> 210.28	262.85	
01 22 23 00-1130 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 667.23 <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 266.89 <i>For &gt;320 Hours Usage Per Month, Add</i> 533.78 <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i> -26.69	667.23	
01 22 23 00-1131 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 113.23 <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 45.29 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 90.58	113.23	
01 22 23 00-1132 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 303.28 <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 121.31 <i>For &gt;80 Hours Usage Per Week, Add</i> 242.62	303.28	

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1133 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	859.31	
For >160 To 320 Hours Usage Per Month, Add	343.72	
For >320 Hours Usage Per Month, Add	687.45	
For >6 Months (>26 Weeks), Deduct	-34.37	
<b>01 22 23 00-1134 Gas Powered Portable Trash Pumps (01 22 23 00-1119)</b>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1135 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	117.27	
For >8 To 16 Hours Usage Per Day, Add	46.91	
For >16 To 24 Hours Usage Per Day, Add	93.82	
01 22 23 00-1136 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	242.63	
For >40 To 80 Hours Usage Per Week, Add	97.05	
For >80 Hours Usage Per Week, Add	194.10	
01 22 23 00-1137 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	727.88	
For >160 To 320 Hours Usage Per Month, Add	291.15	
For >320 Hours Usage Per Month, Add	582.30	
For >6 Months (>26 Weeks), Deduct	-29.12	
01 22 23 00-1138 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	117.27	
For >8 To 16 Hours Usage Per Day, Add	46.91	
For >16 To 24 Hours Usage Per Day, Add	93.82	
01 22 23 00-1139 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	313.39	
For >40 To 80 Hours Usage Per Week, Add	125.36	
For >80 Hours Usage Per Week, Add	250.77	
01 22 23 00-1140 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	859.31	
For >160 To 320 Hours Usage Per Month, Add	343.72	
For >320 Hours Usage Per Month, Add	687.45	
For >6 Months (>26 Weeks), Deduct	-34.37	
01 22 23 00-1141 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	186.01	
For >8 To 16 Hours Usage Per Day, Add	74.40	
For >16 To 24 Hours Usage Per Day, Add	148.81	
01 22 23 00-1142 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	525.69	
For >40 To 80 Hours Usage Per Week, Add	210.28	
For >80 Hours Usage Per Week, Add	420.55	
01 22 23 00-1143 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	1,526.53	
For >160 To 320 Hours Usage Per Month, Add	610.61	
For >320 Hours Usage Per Month, Add	1,221.22	
For >6 Months (>26 Weeks), Deduct	-61.06	
<b>01 22 23 00-1144 Diesel Powered Portable Trash Pumps (01 22 23 00-1119)</b>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1145 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	363.94	
For >8 To 16 Hours Usage Per Day, Add	145.58	
For >16 To 24 Hours Usage Per Day, Add	291.15	
01 22 23 00-1146 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	990.73	
For >40 To 80 Hours Usage Per Week, Add	396.29	
For >80 Hours Usage Per Week, Add	792.58	
01 22 23 00-1147 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	4,316.76	
For >160 To 320 Hours Usage Per Month, Add	1,726.70	
For >320 Hours Usage Per Month, Add	3,453.41	
For >6 Months (>26 Weeks), Deduct	-172.67	
01 22 23 00-1148 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	556.02	
For >8 To 16 Hours Usage Per Day, Add	222.41	
For >16 To 24 Hours Usage Per Day, Add	444.82	
01 22 23 00-1149 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,455.77	
For >40 To 80 Hours Usage Per Week, Add	582.31	
For >80 Hours Usage Per Week, Add	1,164.62	
01 22 23 00-1150 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	3,871.94	
For >160 To 320 Hours Usage Per Month, Add	1,548.78	
For >320 Hours Usage Per Month, Add	3,097.55	
For >6 Months (>26 Weeks), Deduct	-154.88	
01 22 23 00-1151 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	756.19	
For >8 To 16 Hours Usage Per Day, Add	302.48	
For >16 To 24 Hours Usage Per Day, Add	604.95	
01 22 23 00-1152 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	2,023.92	
For >40 To 80 Hours Usage Per Week, Add	809.57	
For >80 Hours Usage Per Week, Add	1,619.14	
01 22 23 00-1153 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	5,414.65	
For >160 To 320 Hours Usage Per Month, Add	2,165.86	
For >320 Hours Usage Per Month, Add	4,331.72	
For >6 Months (>26 Weeks), Deduct	-216.59	
01 22 23 00-1154 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	978.60	
For >8 To 16 Hours Usage Per Day, Add	391.44	
For >16 To 24 Hours Usage Per Day, Add	782.88	
01 22 23 00-1155 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	2,499.07	
For >40 To 80 Hours Usage Per Week, Add	999.63	
For >80 Hours Usage Per Week, Add	1,999.26	
01 22 23 00-1156 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	7,339.50	
For >160 To 320 Hours Usage Per Month, Add	2,935.80	
For >320 Hours Usage Per Month, Add	5,871.60	
For >6 Months (>26 Weeks), Deduct	-293.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-1157 Diesel Powered Portable Silenced Environmental Trash Pumps</b> (01 22 23 00-1119)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1158 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	519.63	
For >8 To 16 Hours Usage Per Day, Add	207.85	
For >16 To 24 Hours Usage Per Day, Add	415.70	
01 22 23 00-1159 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,182.81	
For >40 To 80 Hours Usage Per Week, Add	473.12	
For >80 Hours Usage Per Week, Add	946.25	
01 22 23 00-1160 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,687.95	
For >160 To 320 Hours Usage Per Month, Add	1,475.18	
For >320 Hours Usage Per Month, Add	2,950.36	
For >6 Months (>26 Weeks), Deduct	-147.52	
01 22 23 00-1161 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	636.90	
For >8 To 16 Hours Usage Per Day, Add	254.76	
For >16 To 24 Hours Usage Per Day, Add	509.52	
01 22 23 00-1162 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,587.19	
For >40 To 80 Hours Usage Per Week, Add	634.88	
For >80 Hours Usage Per Week, Add	1,269.75	
01 22 23 00-1163 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,316.76	
For >160 To 320 Hours Usage Per Month, Add	1,726.70	
For >320 Hours Usage Per Month, Add	3,453.41	
For >6 Months (>26 Weeks), Deduct	-172.67	
01 22 23 00-1164 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	768.32	
For >8 To 16 Hours Usage Per Day, Add	307.33	
For >16 To 24 Hours Usage Per Day, Add	614.66	
01 22 23 00-1165 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,272.62	
For >40 To 80 Hours Usage Per Week, Add	909.05	
For >80 Hours Usage Per Week, Add	1,818.10	
01 22 23 00-1166 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	6,338.66	
For >160 To 320 Hours Usage Per Month, Add	2,535.46	
For >320 Hours Usage Per Month, Add	5,070.93	
For >6 Months (>26 Weeks), Deduct	-253.55	
01 22 23 00-1167 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,156.53	
For >8 To 16 Hours Usage Per Day, Add	462.61	
For >16 To 24 Hours Usage Per Day, Add	925.22	
01 22 23 00-1168 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,954.00	
For >40 To 80 Hours Usage Per Week, Add	1,181.60	
For >80 Hours Usage Per Week, Add	2,363.20	
01 22 23 00-1169 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	8,673.95	
For >160 To 320 Hours Usage Per Month, Add	3,469.58	
For >320 Hours Usage Per Month, Add	6,939.16	
For >6 Months (>26 Weeks), Deduct	-346.96	
<b>01 22 23 00-1170 3 Phase Electric Submersible Pumps</b> (01 22 23 00-1119)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1171 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	202.19	
01 22 23 00-1172 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	505.48	
01 22 23 00-1173 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	1,516.42	
For >6 Months (>26 Weeks), Deduct	-60.66	
01 22 23 00-1174 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	266.89	
01 22 23 00-1175 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	667.23	
01 22 23 00-1176 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	2,001.68	
For >6 Months (>26 Weeks), Deduct	-80.07	
<b>01 22 23 00-1177 Suction Hose With Couplings</b> (01 22 23 00-1119)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-1178 DAY Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	4.67	
For Half Day Usage, Deduct	-1.46	
01 22 23 00-1179 WK Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	11.67	
01 22 23 00-1180 MO Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	35.79	
For >6 Months (>26 Weeks), Deduct	-1.43	
01 22 23 00-1181 DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	12.45	
For Half Day Usage, Deduct	-3.89	
01 22 23 00-1182 WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	31.90	
01 22 23 00-1183 MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	97.25	
For >6 Months (>26 Weeks), Deduct	-3.89	
01 22 23 00-1184 DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	18.67	
For Half Day Usage, Deduct	-5.83	
01 22 23 00-1185 WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	47.46	
01 22 23 00-1186 MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	143.93	
For >6 Months (>26 Weeks), Deduct	-5.76	
01 22 23 00-1187 DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	23.34	
For Half Day Usage, Deduct	-7.29	
01 22 23 00-1188 WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	58.35	
01 22 23 00-1189 MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	171.16	
For >6 Months (>26 Weeks), Deduct	-6.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1190 DAY 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	54.46	
<i>For Half Day Usage, Deduct</i>	-17.02	
01 22 23 00-1191 WK 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	140.04	
01 22 23 00-1192 MO 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	412.34	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-16.49	
01 22 23 00-1193 DAY 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	73.13	
<i>For Half Day Usage, Deduct</i>	-22.85	
01 22 23 00-1194 WK 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	159.49	
01 22 23 00-1195 MO 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	478.47	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-19.14	
<b>01 22 23 00-1196 Discharge Hose With Couplings</b> (01 22 23 00-1119)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-1197 DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	4.67	
<i>For Half Day Usage, Deduct</i>	-1.46	
01 22 23 00-1198 WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	11.67	
01 22 23 00-1199 MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	35.79	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1.43	
01 22 23 00-1200 DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	5.45	
<i>For Half Day Usage, Deduct</i>	-1.70	
01 22 23 00-1201 WK 2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	13.23	
01 22 23 00-1202 MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	41.23	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1.65	
01 22 23 00-1203 DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	6.22	
<i>For Half Day Usage, Deduct</i>	-1.94	
01 22 23 00-1204 WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	15.56	
01 22 23 00-1205 MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	47.46	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-1.90	
01 22 23 00-1206 DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	16.34	
<i>For Half Day Usage, Deduct</i>	-5.11	
01 22 23 00-1207 WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	42.01	
01 22 23 00-1208 MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	120.59	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-4.82	
01 22 23 00-1209 DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	20.23	
<i>For Half Day Usage, Deduct</i>	-6.32	
01 22 23 00-1210 WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	55.24	
01 22 23 00-1211 MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	151.71	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-6.07	
01 22 23 00-1212 DAY 10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	15.56	
<i>For Half Day Usage, Deduct</i>	-4.86	
01 22 23 00-1213 WK 10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	38.90	
01 22 23 00-1214 MO 10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	116.70	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-4.67	
01 22 23 00-1215 DAY 12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	39.68	
<i>For Half Day Usage, Deduct</i>	-12.40	
01 22 23 00-1216 WK 12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	101.14	
01 22 23 00-1217 MO 12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	299.53	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-11.98	
<b>01 22 23 00-1218 Hydraulic Submersible Pumps</b> (01 22 23 00-1119)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
<b>01 22 23 00-1219 Hydraulic Submersible Pumps</b> (01 22 23 00-1218)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1220 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	133.45	
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	53.38	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	106.76	
01 22 23 00-1221 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	357.88	
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	143.15	
<i>For &gt;80 Hours Usage Per Week, Add</i>	286.30	
01 22 23 00-1222 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	1,000.84	
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	400.34	
<i>For &gt;320 Hours Usage Per Month, Add</i>	800.67	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-40.03	
01 22 23 00-1223 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	169.84	
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	67.94	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	135.87	
01 22 23 00-1224 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	436.73	
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	174.69	
<i>For &gt;80 Hours Usage Per Week, Add</i>	349.38	
01 22 23 00-1225 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	1,334.45	
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	533.78	
<i>For &gt;320 Hours Usage Per Month, Add</i>	1,067.56	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-53.38	
<b>01 22 23 00-1226 Hydraulic Submersible Pump Diesel Power Packs</b> (01 22 23 00-1218)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1227 DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	308.34	
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	123.34	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	246.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1228 WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	919.96	
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	367.98	
<i>For &gt;80 Hours Usage Per Week, Add</i>	735.97	
01 22 23 00-1229 MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	2,426.28	
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	970.51	
<i>For &gt;320 Hours Usage Per Month, Add</i>	1,941.02	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-97.05	
<b>01 22 23 00-1230 HDPE Pipe With Couplings (01 22 23 00-1119)</b>		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-1231 DAY 4" Diameter x 50' Length, HDPE Pipe With Couplings .....	14.70	
<i>For Half Day Usage, Deduct</i>	-4.59	
01 22 23 00-1232 WK 4" Diameter x 50' Length, HDPE Pipe With Couplings .....	35.27	
01 22 23 00-1233 MO 4" Diameter x 50' Length, HDPE Pipe With Couplings .....	108.75	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-4.35	
01 22 23 00-1234 DAY 6" Diameter x 50' Length, HDPE Pipe With Couplings .....	23.51	
<i>For Half Day Usage, Deduct</i>	-7.35	
01 22 23 00-1235 WK 6" Diameter x 50' Length, HDPE Pipe With Couplings .....	58.79	
01 22 23 00-1236 MO 6" Diameter x 50' Length, HDPE Pipe With Couplings .....	179.30	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-7.17	
01 22 23 00-1237 DAY 8" Diameter x 50' Length, HDPE Pipe With Couplings .....	38.21	
<i>For Half Day Usage, Deduct</i>	-11.94	
01 22 23 00-1238 WK 8" Diameter x 50' HDPE Length, HDPE With Couplings.....	99.94	
01 22 23 00-1239 MO 8" Diameter x 50' Length, HDPE Pipe With Couplings .....	296.87	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-11.87	
01 22 23 00-1240 DAY 10" Diameter x 50' Length, HDPE Pipe With Couplings .....	47.03	
<i>For Half Day Usage, Deduct</i>	-14.70	
01 22 23 00-1241 WK 10" Diameter x 50' Length, HDPE Pipe With Couplings .....	120.51	
01 22 23 00-1242 MO 10" Diameter x 50' Length, HDPE Pipe With Couplings .....	367.41	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-14.70	
01 22 23 00-1243 DAY 12" Diameter x 20' Length, HDPE Pipe With Couplings .....	35.27	
<i>For Half Day Usage, Deduct</i>	-11.02	
01 22 23 00-1244 WK 12" Diameter x 20' Length, HDPE Pipe With Couplings .....	97.00	
01 22 23 00-1245 MO 12" Diameter x 20' Length, HDPE Pipe With Couplings .....	293.93	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-11.76	
01 22 23 00-1246 DAY 4" Diameter Elbow For HDPE Pipe, Quick Connect .....	35.27	
<i>For Half Day Usage, Deduct</i>	-11.02	
01 22 23 00-1247 WK 4" Diameter Elbow For HDPE Pipe, Quick Connect .....	91.12	
01 22 23 00-1248 MO 4" Diameter Elbow For HDPE Pipe, Quick Connect .....	270.42	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-10.82	
01 22 23 00-1249 DAY 6" Diameter Elbow For HDPE Pipe, Quick Connect .....	41.15	
<i>For Half Day Usage, Deduct</i>	-12.86	
01 22 23 00-1250 WK 6" Diameter Elbow For HDPE Pipe, Quick Connect .....	105.81	
01 22 23 00-1251 MO 6" Diameter Elbow For HDPE Pipe, Quick Connect .....	323.32	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-12.93	
01 22 23 00-1252 DAY 8" Diameter Elbow For HDPE Pipe, Quick Connect .....	47.03	
<i>For Half Day Usage, Deduct</i>	-14.70	
01 22 23 00-1253 WK 8" Diameter Elbow For HDPE Pipe, Quick Connect .....	120.51	
01 22 23 00-1254 MO 8" Diameter Elbow For HDPE Pipe, Quick Connect .....	367.41	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-14.70	
01 22 23 00-1255 DAY 10" Diameter Elbow For HDPE Pipe, Quick Connect .....	58.79	
<i>For Half Day Usage, Deduct</i>	-18.37	
01 22 23 00-1256 WK 10" Diameter Elbow For HDPE Pipe, Quick Connect .....	149.90	
01 22 23 00-1257 MO 10" Diameter Elbow For HDPE Pipe, Quick Connect .....	455.59	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-18.22	
01 22 23 00-1258 DAY 12" Diameter Elbow For HDPE Pipe, Quick Connect .....	58.79	
<i>For Half Day Usage, Deduct</i>	-18.37	
01 22 23 00-1259 WK 12" Diameter Elbow For HDPE Pipe, Quick Connect .....	149.90	
01 22 23 00-1260 MO 12" Diameter Elbow For HDPE Pipe, Quick Connect .....	455.59	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-18.22	
01 22 23 00-1261 DAY 4" Diameter Tee For HDPE Pipe, Quick Connect .....	35.27	
<i>For Half Day Usage, Deduct</i>	-11.02	
01 22 23 00-1262 WK 4" Diameter Tee For HDPE Pipe, Quick Connect .....	91.12	
01 22 23 00-1263 MO 4" Diameter Tee For HDPE Pipe, Quick Connect .....	270.42	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-10.82	
01 22 23 00-1264 DAY 6" Diameter Tee For HDPE Pipe, Quick Connect .....	47.03	
<i>For Half Day Usage, Deduct</i>	-14.70	
01 22 23 00-1265 WK 6" Diameter Tee For HDPE Pipe, Quick Connect .....	120.51	
01 22 23 00-1266 MO 6" Diameter Tee For HDPE Pipe, Quick Connect .....	367.41	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-14.70	
01 22 23 00-1267 DAY 8" Diameter Tee For HDPE Pipe, Quick Connect .....	58.79	
<i>For Half Day Usage, Deduct</i>	-18.37	
01 22 23 00-1268 WK 8" Diameter Tee For HDPE Pipe, Quick Connect .....	149.90	
01 22 23 00-1269 MO 8" Diameter Tee For HDPE Pipe, Quick Connect .....	455.59	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-18.22	
01 22 23 00-1270 DAY 10" Diameter Tee For HDPE Pipe, Quick Connect .....	70.54	
<i>For Half Day Usage, Deduct</i>	-22.04	
01 22 23 00-1271 WK 10" Diameter Tee For HDPE Pipe, Quick Connect .....	179.30	
01 22 23 00-1272 MO 10" Diameter Tee For HDPE Pipe, Quick Connect .....	543.77	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-21.75	
01 22 23 00-1273 DAY 12" Diameter Tee For HDPE Pipe, Quick Connect .....	70.54	
<i>For Half Day Usage, Deduct</i>	-22.04	
01 22 23 00-1274 WK 12" Diameter Tee For HDPE Pipe, Quick Connect .....	179.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1275 MO 12" Diameter Tee For HDPE Pipe, Quick Connect.....	543.77	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-21.75	
01 22 23 00-1276 DAY 4" Diameter Cap For HDPE Pipe, Quick Connect.....	5.88	
<i>For Half Day Usage, Deduct</i>	-1.84	
01 22 23 00-1277 WK 4" Diameter Cap For HDPE Pipe, Quick Connect.....	17.64	
01 22 23 00-1278 MO 4" Diameter Cap For HDPE Pipe, Quick Connect.....	52.91	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2.12	
01 22 23 00-1279 DAY 6" Diameter Cap For HDPE Pipe, Quick Connect.....	5.88	
<i>For Half Day Usage, Deduct</i>	-1.84	
01 22 23 00-1280 WK 6" Diameter Cap For HDPE Pipe, Quick Connect.....	17.64	
01 22 23 00-1281 MO 6" Diameter Cap For HDPE Pipe, Quick Connect.....	52.91	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2.12	
01 22 23 00-1282 DAY 8" Diameter Cap For HDPE Pipe, Quick Connect.....	5.88	
<i>For Half Day Usage, Deduct</i>	-1.84	
01 22 23 00-1283 WK 8" Diameter Cap For HDPE Pipe, Quick Connect.....	17.64	
01 22 23 00-1284 MO 8" Diameter Cap For HDPE Pipe, Quick Connect.....	52.91	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2.12	
01 22 23 00-1285 DAY 10" Diameter Cap For HDPE Pipe, Quick Connect.....	5.88	
<i>For Half Day Usage, Deduct</i>	-1.84	
01 22 23 00-1286 WK 10" Diameter Cap For HDPE Pipe, Quick Connect.....	17.64	
01 22 23 00-1287 MO 10" Diameter Cap For HDPE Pipe, Quick Connect.....	52.91	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2.12	
01 22 23 00-1288 DAY 12" Diameter Cap For HDPE Pipe, Quick Connect.....	5.88	
<i>For Half Day Usage, Deduct</i>	-1.84	
01 22 23 00-1289 WK 12" Diameter Cap For HDPE Pipe, Quick Connect.....	17.64	
01 22 23 00-1290 MO 12" Diameter Cap For HDPE Pipe, Quick Connect.....	52.91	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2.12	
01 22 23 00-1291 DAY 4" Diameter Wye For HDPE Pipe, Quick Connect.....	17.64	
<i>For Half Day Usage, Deduct</i>	-5.51	
01 22 23 00-1292 WK 4" Diameter Wye For HDPE Pipe, Quick Connect.....	44.09	
01 22 23 00-1293 MO 4" Diameter Wye For HDPE Pipe, Quick Connect.....	135.21	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-5.41	
01 22 23 00-1294 DAY 6" Diameter Wye For HDPE Pipe, Quick Connect.....	20.58	
<i>For Half Day Usage, Deduct</i>	-6.43	
01 22 23 00-1295 WK 6" Diameter Wye For HDPE Pipe, Quick Connect.....	52.91	
01 22 23 00-1296 MO 6" Diameter Wye For HDPE Pipe, Quick Connect.....	161.66	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-6.47	
01 22 23 00-1297 DAY 8" Diameter Wye For HDPE Pipe, Quick Connect.....	35.27	
<i>For Half Day Usage, Deduct</i>	-11.02	
01 22 23 00-1298 WK 8" Diameter Wye For HDPE Pipe, Quick Connect.....	91.12	
01 22 23 00-1299 MO 8" Diameter Wye For HDPE Pipe, Quick Connect.....	270.42	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-10.82	
01 22 23 00-1300 DAY 10" Diameter Wye For HDPE Pipe, Quick Connect.....	52.91	
<i>For Half Day Usage, Deduct</i>	-16.53	
01 22 23 00-1301 WK 10" Diameter Wye For HDPE Pipe, Quick Connect.....	135.21	
01 22 23 00-1302 MO 10" Diameter Wye For HDPE Pipe, Quick Connect.....	411.50	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-16.46	
01 22 23 00-1303 DAY 12" Diameter Wye For HDPE Pipe, Quick Connect.....	52.91	
<i>For Half Day Usage, Deduct</i>	-16.53	
01 22 23 00-1304 WK 12" Diameter Wye For HDPE Pipe, Quick Connect.....	135.21	
01 22 23 00-1305 MO 12" Diameter Wye For HDPE Pipe, Quick Connect.....	411.50	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-16.46	

01 22 23 00-1306 Truck And Trailer Equipment (01 22 23)

01 22 23 00-1307 Trucks (01 22 23 00-1306)

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

01 22 23 00-1308 Flat Bed Trucks (01 22 23 00-1307)

Note: Includes hydraulic tilt bed.

01 22 23 00-1309 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,094.98	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-493.37	
01 22 23 00-1310 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,788.37	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1311 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	19,381.73	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-76.45	
01 22 23 00-1312 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,219.80	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-532.37	
01 22 23 00-1313 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	5,108.23	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1314 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	20,200.88	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-109.22	
01 22 23 00-1315 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,309.36	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-560.36	
01 22 23 00-1316 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	5,450.56	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1317 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	21,503.74	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-161.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-1318 Light Off-Road Utility Passenger Vehicles</b> <small>(01 22 23 00-1307)</small>		
01 22 23 00-1319 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	317.74	
<i>For Half Day Usage, Deduct</i>	-99.29	
01 22 23 00-1320 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	734.78	
01 22 23 00-1321 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	1,588.72	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-63.55	
01 22 23 00-1322 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	327.67	
<i>For Half Day Usage, Deduct</i>	-102.40	
01 22 23 00-1323 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	764.57	
01 22 23 00-1324 MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	1,688.02	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-67.52	
<b>01 22 23 00-1325 Light And Heavy Duty Trucks</b> <small>(01 22 23 00-1307)</small>		
01 22 23 00-1326 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	1,044.31	
<i>For Equipment Without Operator, Deduct</i>	-799.14	
<i>For Half Day Usage, Deduct</i>	-476.19	
01 22 23 00-1327 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	4,800.14	
<i>For Equipment Without Operator, Deduct</i>	-3,995.68	
01 22 23 00-1328 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	19,000.15	
<i>For Equipment Without Operator, Deduct</i>	-17,314.62	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-67.42	
01 22 23 00-1329 DAY 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver.....	1,090.28	
<i>For Equipment Without Operator, Deduct</i>	-799.14	
<i>For Half Day Usage, Deduct</i>	-490.55	
01 22 23 00-1330 WK 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver.....	4,938.04	
<i>For Equipment Without Operator, Deduct</i>	-3,995.68	
01 22 23 00-1331 MO 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver.....	19,306.61	
<i>For Equipment Without Operator, Deduct</i>	-17,314.62	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-79.68	
<b>01 22 23 00-1332 Boom Trucks</b> <small>(01 22 23 00-1307)</small>		
01 22 23 00-1333 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	1,343.84	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-571.14	
01 22 23 00-1334 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	5,431.21	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1335 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	21,020.04	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-141.99	
<b>01 22 23 00-1336 Rear Dump Trucks</b> <small>(01 22 23 00-1307)</small>		
01 22 23 00-1337 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	1,173.40	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-517.87	
01 22 23 00-1338 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	5,001.19	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1339 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	20,438.92	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-118.74	
01 22 23 00-1340 DAY 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver.....	1,295.10	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-555.90	
01 22 23 00-1341 WK 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver.....	5,378.24	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1342 MO 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver.....	20,961.61	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-139.65	
01 22 23 00-1343 DAY 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver.....	1,364.92	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-577.72	
01 22 23 00-1344 WK 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver.....	5,527.87	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1345 MO 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver.....	21,061.36	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-143.64	
01 22 23 00-1346 DAY 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver.....	2,192.84	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-836.45	
01 22 23 00-1347 WK 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver.....	7,233.60	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1348 MO 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver.....	25,849.36	
<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-335.16	
01 22 23 00-1349 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver.....	2,331.50	
<i>For Equipment Without Operator, Deduct</i>	-806.32	
<i>For Half Day Usage, Deduct</i>	-879.78	
01 22 23 00-1350 WK 18 CY Rear Dump Truck With Full-Time Truck Driver.....	7,553.79	
<i>For Equipment Without Operator, Deduct</i>	-4,031.62	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1351	MO		18 CY Rear Dump Truck With Full-Time Truck Driver .....	26,687.26	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-368.68	
<b>01 22 23 00-1352 Under-Bridge Inspection Trucks (01 22 23 00-1307)</b>					
01 22 23 00-1353	DAY		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	4,854.68	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-1,668.27	
01 22 23 00-1354	WK		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	22,085.10	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1355	MO		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	81,466.50	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2,559.85	
01 22 23 00-1356	DAY		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,401.75	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-1,839.23	
01 22 23 00-1357	WK		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	23,179.24	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1358	MO		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	85,595.29	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2,725.00	
01 22 23 00-1359	DAY		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,730.00	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-1,941.81	
01 22 23 00-1360	WK		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	24,820.47	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1361	MO		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	89,724.08	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-2,890.15	
01 22 23 00-1362	DAY		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	7,152.39	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-2,386.31	
01 22 23 00-1363	WK		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	31,385.37	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1364	MO		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	110,367.99	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-3,715.91	
<b>01 22 23 00-1365 Vacuum Trucks (01 22 23 00-1307)</b>					
01 22 23 00-1366	DAY		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	1,158.02	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-513.07	
01 22 23 00-1367	WK		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	5,079.81	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1368	MO		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	20,566.66	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-123.85	
01 22 23 00-1369	DAY		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	2,182.87	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Half Day Usage, Deduct</i>	-833.33	
01 22 23 00-1370	WK		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	8,177.23	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1371	MO		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	29,703.70	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-489.33	
<b>01 22 23 00-1372 Water Trucks (01 22 23 00-1307)</b>					
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1196 for additional discharge hose, 01 22 23 00-1411 for water trailer.					
01 22 23 00-1373	DAY		2,000 Gallon Water Truck With Full-Time Driver .....	1,426.96	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
			<i>For Half Day Usage, Deduct</i>	-597.11	
01 22 23 00-1374	WK		2,000 Gallon Water Truck With Full-Time Driver .....	5,665.97	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
01 22 23 00-1375	MO		2,000 Gallon Water Truck With Full-Time Driver .....	21,332.12	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-154.47	
01 22 23 00-1376	DAY		2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver .....	1,537.30	
			<i>For Equipment Without Operator, Deduct</i>	-806.32	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
			<i>For Half Day Usage, Deduct</i>	-631.59	
01 22 23 00-1377	WK		2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver .....	6,431.43	
			<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
01 22 23 00-1378	MO		2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver .....	23,449.19	
			<i>For Equipment Without Operator, Deduct</i>	-17,470.36	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	15.32	
			<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-239.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1379 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver .....	1,730.38	
For Equipment Without Operator, Deduct	-806.32	
For Each 1,000 Gallon Of Purchased Water, Add	15.32	
For Half Day Usage, Deduct	-691.93	
01 22 23 00-1380 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver .....	6,576.24	
For Equipment Without Operator, Deduct	-4,031.62	
For Each 1,000 Gallon Of Purchased Water, Add	15.32	
01 22 23 00-1381 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver .....	23,676.76	
For Equipment Without Operator, Deduct	-17,470.36	
For Each 1,000 Gallon Of Purchased Water, Add	15.32	
For >6 Months (>26 Weeks), Deduct	-248.26	
<b>01 22 23 00-1382 Asphalt Distribution Trucks (01 22 23 00-1307)</b>		
01 22 23 00-1383 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	2,143.50	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-821.03	
01 22 23 00-1384 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	8,025.99	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1385 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	29,278.71	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-472.33	
<b>01 22 23 00-1386 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1307)</b>		
01 22 23 00-1387 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	1,544.55	
For Equipment Without Operator, Deduct	-799.14	
For Half Day Usage, Deduct	-632.51	
01 22 23 00-1388 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	6,195.60	
For Equipment Without Operator, Deduct	-3,995.68	
01 22 23 00-1389 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	22,657.05	
For Equipment Without Operator, Deduct	-17,314.62	
For >6 Months (>26 Weeks), Deduct	-213.70	
<b>01 22 23 00-1390 Vacuum Sweeper Trucks For Bridge Decks (01 22 23 00-1307)</b>		
01 22 23 00-1391 DAY Vacuum Sweeper Truck, With Full-Time Truck Driver .....	2,182.87	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-833.33	
01 22 23 00-1392 WK Vacuum Sweeper Truck, With Full-Time Truck Driver .....	8,177.23	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1393 MO Vacuum Sweeper Truck, With Full-Time Truck Driver .....	29,703.70	
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-489.33	
<b>01 22 23 00-1394 Combination Jet/Vacuum Trucks (01 22 23 00-1307)</b>		
01 22 23 00-1395 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,414.77	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-1,218.30	
01 22 23 00-1396 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	16,242.33	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1397 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,869.94	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-1,360.54	
01 22 23 00-1398 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	18,890.18	
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1399 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	4,307.60	
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-1,497.31	
01 22 23 00-1400 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	21,538.02	
For Equipment Without Operator, Deduct	-4,031.62	
<b>01 22 23 00-1401 Straight/Box Trucks (01 22 23 00-1307)</b>		
01 22 23 00-1402 DAY 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver .....	929.58	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-806.32	
For Half Day Usage, Deduct	-441.68	
01 22 23 00-1403 WK 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver .....	4,647.94	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1404 MO 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver .....	19,289.67	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-17,470.36	
For >6 Months (>26 Weeks), Deduct	-72.77	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
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	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-1405</b>	<b>Truck Mounted Accessories</b> <small>(01 22 23 00-1306)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
<b>01 22 23 00-1406</b>	<b>Truck Mounted Arrow Boards</b> <small>(01 22 23 00-1405)</small>	
01 22 23 00-1407	DAY Truck Mounted Arrow Board .....	48.47
	<i>For Half Day Usage, Deduct</i>	
		-15.15
01 22 23 00-1408	WK Truck Mounted Arrow Board .....	192.80
01 22 23 00-1409	MO Truck Mounted Arrow Board .....	687.46
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-27.50
<b>01 22 23 00-1410</b>	<b>Trailers</b> <small>(01 22 23 00-1306)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
<b>01 22 23 00-1411</b>	<b>Water Trailers With Pump</b> <small>(01 22 23 00-1410)</small>	
01 22 23 00-1412	DAY 500 To 600 Gallon Water Trailer With Pump .....	158.61
	<i>For Half Day Usage, Deduct</i>	
		-49.57
01 22 23 00-1413	WK 500 To 600 Gallon Water Trailer With Pump .....	406.86
01 22 23 00-1414	MO 500 To 600 Gallon Water Trailer With Pump .....	1,089.57
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-43.58
<b>01 22 23 00-1415</b>	<b>Manual Powered, Full, Rear Dump Trailer</b> <small>(01 22 23 00-1410)</small>	
01 22 23 00-1416	DAY 10 CY, Manual Powered, Full, Rear Dump Trailer .....	292.47
	<i>For Half Day Usage, Deduct</i>	
		-91.40
01 22 23 00-1417	WK 10 CY, Manual Powered, Full, Rear Dump Trailer .....	1,167.66
01 22 23 00-1418	MO 10 CY, Manual Powered, Full, Rear Dump Trailer .....	4,182.66
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-167.31
01 22 23 00-1419	DAY 13 CY, Manual Powered, Full, Rear Dump Trailer .....	336.08
	<i>For Half Day Usage, Deduct</i>	
		-105.03
01 22 23 00-1420	WK 13 CY, Manual Powered, Full, Rear Dump Trailer .....	1,344.34
01 22 23 00-1421	MO 13 CY, Manual Powered, Full, Rear Dump Trailer .....	4,797.50
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-191.90
01 22 23 00-1422	DAY 16 CY, Manual Powered, Full, Rear Dump Trailer .....	376.68
	<i>For Half Day Usage, Deduct</i>	
		-117.71
01 22 23 00-1423	WK 16 CY, Manual Powered, Full, Rear Dump Trailer .....	1,495.44
01 22 23 00-1424	MO 16 CY, Manual Powered, Full, Rear Dump Trailer .....	5,322.69
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-212.91
<b>01 22 23 00-1425</b>	<b>Hydraulic Lift, Rear Dump Trailers</b> <small>(01 22 23 00-1410)</small>	
01 22 23 00-1426	DAY 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	336.49
	<i>For Half Day Usage, Deduct</i>	
		-105.15
01 22 23 00-1427	WK 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	1,456.92
01 22 23 00-1428	MO 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	5,455.57
01 22 23 00-1429	DAY 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	4,163.33
	<i>For Half Day Usage, Deduct</i>	
		-130.10
01 22 23 00-1430	WK 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	1,811.01
01 22 23 00-1431	DAY 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	6,759.13
	<i>For Half Day Usage, Deduct</i>	
		-2,112.23
01 22 23 00-1432	DAY 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	544.43
	<i>For Half Day Usage, Deduct</i>	
		-170.13
01 22 23 00-1433	WK 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	2,350.02
01 22 23 00-1434	MO 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	8,779.88
01 22 23 00-1435	DAY 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	575.10
	<i>For Half Day Usage, Deduct</i>	
		-179.72
01 22 23 00-1436	WK 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	2,469.55
01 22 23 00-1437	MO 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	9,190.35
01 22 23 00-1438	DAY 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	589.99
	<i>For Half Day Usage, Deduct</i>	
		-184.37
01 22 23 00-1439	WK 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	2,532.70
01 22 23 00-1440	MO 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer .....	9,454.22
<b>01 22 23 00-1441</b>	<b>Trailer Mounted Equipment</b> <small>(01 22 23 00-1306)</small>	
<b>01 22 23 00-1442</b>	<b>Trailer Mounted Under-Bridge Aerial Access Platform</b> <small>(01 22 23 00-1441)</small>	
	Note: Includes full-time operator. Excludes truck.	
01 22 23 00-1443	DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	3,074.19
	<i>For Equipment Without Operator, Deduct</i>	
		-806.32
	<i>For Half Day Usage, Deduct</i>	
		-1,111.87
01 22 23 00-1444	WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	10,835.24
	<i>For Equipment Without Operator, Deduct</i>	
		-4,031.62
01 22 23 00-1445	MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	36,369.31
	<i>For Equipment Without Operator, Deduct</i>	
		-17,470.36
	<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	
		-755.96
01 22 23 00-1446	DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator .....	3,300.98
	<i>For Equipment Without Operator, Deduct</i>	
		-806.32
	<i>For Half Day Usage, Deduct</i>	
		-1,182.74
01 22 23 00-1447	WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator .....	11,515.61
	<i>For Equipment Without Operator, Deduct</i>	
		-4,031.62



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Price and Payment Procedures	01 20	
Unit Prices	01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1448 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	38,259.21 -17,470.36 -831.55	
<b>01 22 23 00-1449 Trailer Mounted Bridge Stripping Buggy (01 22 23 00-1441)</b>		
01 22 23 00-1450 DAY Trailer Mounted Bridge Overhang Stripping Buggy ..... <i>For Half Day Usage, Deduct</i>	257.34 -80.42	
01 22 23 00-1451 WK Trailer Mounted Bridge Overhang Stripping Buggy .....	772.06	
01 22 23 00-1452 MO Trailer Mounted Bridge Overhang Stripping Buggy ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	2,144.53 -85.78	
<b>01 22 23 00-1453 Portable Trailer Mounted, CCTV Camera Systems (01 22 23 00-1441)</b>		
Note: Includes trailer. Excludes truck.		
01 22 23 00-1454 MO Portable Trailer Mounted, Single Camera, CCTV Camera System ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	2,978.85 -119.15	
01 22 23 00-1455 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System ..... <i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	5,163.34 -206.53	
<b>01 22 23 00-1456 CALTRANS Equipment Rental Rates (01 22 23)</b>		
Note: An appropriate labor surcharge will be established by the Division of Construction for work that is determined by the resident engineer to be covered by Longshoreman and Harbor Worker's Act. (These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®)		
01 22 23 00-1457 EA CALTRANS Equipment Rental Rates, Reimbursable .....	1.00	
Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee. Per <a href="https://dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge">https://dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge</a> (Use most current dated PDF)		

## 01 40 Quality Requirements (01)

### 01 41 Regulatory Requirements (01 40)

**01 41 26 Permit Requirements (01 41)**  
See CSI section 01 22 16 00-0003 for reimbursable fees.

### 01 42 References (01 40)

**01 42 13 Abbreviations and Acronyms (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001 NTE Abbreviations And Acronyms ..... 0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 16 Definitions (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001 NTE Definitions ..... 0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 19 Reference Standards (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001 NTE Reference Standards ..... 0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 21 Construction Suppliers or Vendor List (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001 NTE Construction Suppliers or Vendor List ..... 0.00  
Note: For specification publishing. Review specifications for requirements.

### 01 45 Quality Control (01 40)

Note: Refer to section specifications for testing included with other sections.

**01 45 23 Testing and Inspecting Services (01 45)**  
Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001		<b>Soils/Aggregate Testing (01 45 23)</b>	
01 45 23 00-0002		<b>Field Soils Tests (01 45 23 00-0001)</b>	
01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	362.89
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	515.06
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	585.30
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test .....	468.24
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test .....	702.36
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test .....	1,404.23

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0009	EA		Moisture Content, Field Soils Test.....	52.66	
01 45 23 00-0010	EA		UBC Or Swell Test, Field Soils Test.....	140.47	
01 45 23 00-0011	EA		Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	351.06	
01 45 23 00-0012	EA		Proctor Compaction 6" Standard Mold, Field Soils Test.....	438.82	
01 45 23 00-0013	EA		Density And Classification Test, Field Soils Test.....	106.93	
01 45 23 00-0014	EA		Percolation Test, Field Soils Test.....	267.32	
01 45 23 00-0015	EA		Infiltration Test, Field Soils Test.....	534.64	
<b>01 45 23 00-0016</b>			<b>Aggregate Testing</b> (01 45 23 00-0001)		
01 45 23 00-0017	EA		Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	117.06	
01 45 23 00-0018	EA		Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	210.71	
01 45 23 00-0019	EA		Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	292.65	
01 45 23 00-0020	EA		Sieve Analysis, Pit Run, ASTM C136.....	173.76	
			Note: Includes wash.		
01 45 23 00-0021	EA		Specific Special Gravity, Course, ASTM C127.....	185.99	
			Note: Includes absorption test.		
01 45 23 00-0022	EA		Special Gravity, Fine, ASTM C127.....	166.75	
			Note: Includes absorption test.		
01 45 23 00-0023	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	247.99	
01 45 23 00-0024	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	234.12	
01 45 23 00-0025	EA		Aggregate Cleanness Value, ASTM C-128, CA 227.....	234.12	
01 45 23 00-0026	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	175.59	
01 45 23 00-0027	EA		Fine Aggregate Durability Index, CA 229.....	187.30	
01 45 23 00-0028	EA		Sodium And Magnesium Soundness, ASTM C88.....	491.48	
01 45 23 00-0029	EA		Los Angeles Rattler, ASTM C-131, CA 211.....	374.59	
01 45 23 00-0030	EA		Los Angeles Rattler, ASTM C-535.....	374.59	
01 45 23 00-0031	EA		Unit Weight Of Aggregates, ASTM C29.....	105.35	
01 45 23 00-0032	EA		Organic Impurities In Sand, ASTM C40.....	105.32	
01 45 23 00-0033	EA		Crushed Particle, ASTM California Test Method.....	105.32	
01 45 23 00-0034	EA		Clay Lump And Friable Particles, ASTM C142.....	210.63	
<b>01 45 23 00-0035</b>			<b>Permeability Tests</b> (01 45 23 00-0001)		
<b>01 45 23 00-0036</b>			<b>In-Place Tests</b> (01 45 23 00-0035)		
01 45 23 00-0037	EA		Double Ring Infiltrometer Test, ASTM D3385.....	1,859.92	
01 45 23 00-0038	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test.....	87.76	
<b>01 45 23 00-0039</b>			<b>Lab Tests</b> (01 45 23 00-0035)		
01 45 23 00-0040	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	867.96	
01 45 23 00-0041	EA		Falling Head Permeability Test EPA-9100.....	867.96	
01 45 23 00-0042	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	495.98	
<b>01 45 23 00-0043</b>			<b>Concrete/Cement/Asphalt Testing</b> (01 45 23)		
<b>01 45 23 00-0044</b>			<b>Concrete Testing</b> (01 45 23 00-0043)		
01 45 23 00-0045	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	27.21	
01 45 23 00-0046	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	74.40	
01 45 23 00-0047	EA		Concrete Cores Compression Test, ASTM C-42.....	152.18	
01 45 23 00-0048	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	222.41	
01 45 23 00-0049	EA		Unit Weight Of Concrete Cylinder, ASTM C-567.....	81.94	
01 45 23 00-0050	EA		Concrete Mix Design Review.....	444.83	
01 45 23 00-0051	EA		Trial Concrete Batch Prepared In Laboratory.....	1,053.54	
01 45 23 00-0052	EA		Concrete Shrinkage, ASTM C-157 Modified.....	819.42	
01 45 23 00-0053	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	126.42	
01 45 23 00-0054	EA		Concrete Slump Test, ASTM C143.....	58.53	
01 45 23 00-0055	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	58.53	
<b>01 45 23 00-0056</b>			<b>Cement Testing</b> (01 45 23 00-0043)		
01 45 23 00-0057	EA		CCR Title 24, Cement Grab Sample.....	58.53	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0058	EA		2" x 2" x 2" Cube Compression Test, All Type Materials.....	93.65	
<b>01 45 23 00-0059</b>			<b>Asphaltic Concrete Testing</b> (01 45 23 00-0043)		
01 45 23 00-0060	EA		Hveem Asphaltic Concrete Stability Test, CA 366.....	117.06	
01 45 23 00-0061	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927.....	304.36	
01 45 23 00-0062	EA		Stability Tests, Premixed, ASTM D1559.....	117.06	
01 45 23 00-0063	EA		Stability Tests, Lab. Mixed, ASTM D1559.....	304.36	
01 45 23 00-0064	EA		Swell Test, CA 305.....	140.47	
			Note: Includes compaction.		
01 45 23 00-0065	EA		% Asphalt Extraction Test, ASTM D-2172 B.....	351.18	
01 45 23 00-0066	EA		Gradation On Extracted Sample, ASTM D-5444.....	234.12	
01 45 23 00-0067	EA		Maximum Theoretical Unit Weight, ASTM C2041.....	223.19	
01 45 23 00-0068	EA		Unit Weight Sample Requiring Compaction, California Test Method 308.....	46.82	
01 45 23 00-0069	EA		Asphalt Unit Weight On Core Test, CA 308C.....	46.82	
01 45 23 00-0070	HR		Nuclear Field Density Testing, 4 Hour Minimum.....	241.14	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0071 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 .....	120.29	
01 45 23 00-0072 EA Penetration, ASTM D5.....	169.10	
<b>01 45 23 00-0073 Masonry/Concrete Block/Tile Testing (01 45 23)</b>		
<b>01 45 23 00-0074 Masonry Testing (01 45 23 00-0073)</b>		
01 45 23 00-0075 EA 2" x 4" Cylinder Mortar Compression Test.....	77.26	
01 45 23 00-0076 EA 4" x 4" x 8" Grout Prisms Compression Test .....	77.26	
01 45 23 00-0077 EA Masonry Cores Compression Test .....	152.18	
01 45 23 00-0078 EA Composite Grouted Prism Compression Test.....	292.65	
<b>01 45 23 00-0079 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)</b>		
01 45 23 00-0080 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	187.30	
01 45 23 00-0081 EA Absorption Test, Moisture Content And Unit Weight.....	128.77	
01 45 23 00-0082 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	491.48	
01 45 23 00-0083 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit .....	245.74	
<b>01 45 23 00-0084 Metals Testing (01 45 23)</b>		
<b>01 45 23 00-0085 Tank Tightness Testing (01 45 23 00-0084)</b>		
01 45 23 00-0086 GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	9.48	
01 45 23 00-0087 GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	8.12	
01 45 23 00-0088 EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing .....	2,438.90	
01 45 23 00-0089 EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing .....	2,979.93	
01 45 23 00-0090 EA >29,999 Gallons, Tank Volumetric Tightness Testing .....	3,795.07	
<b>01 45 23 00-0091 Tank Line Tightness Testing (01 45 23 00-0084)</b>		
01 45 23 00-0092 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	514.63	
01 45 23 00-0093 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing .....	571.43	
01 45 23 00-0094 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing .....	628.05	
<b>01 45 23 00-0095 Reinforcing Steel Tensile Testing (01 45 23 00-0084)</b>		
01 45 23 00-0096 EA Up To #8 Reinforcing Steel Bar, Tensile Testing On Existing Material .....	73.84	
01 45 23 00-0097 EA >#8 To #12 Reinforcing Steel Bar, Tensile Testing On Existing Material.....	88.04	
01 45 23 00-0098 EA >#12 Reinforcing Steel Bar, Tensile Testing On Existing Material.....	110.76	
<b>01 45 23 00-0099 Other Testing (01 45 23)</b>		
<b>01 45 23 00-0100 Special Testing (01 45 23 00-0099)</b>		
01 45 23 00-0101 EA Asphalt Roofing Cutout Samples, To Determine Unit Weight.....	175.53	
01 45 23 00-0102 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	1,053.17	
01 45 23 00-0103 EA Total Coliform Bacteria And E. Coli Bacteria Test .....	54.71	
01 45 23 00-0104 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	226.93	
01 45 23 00-0105 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	226.93	
01 45 23 00-0106 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	226.93	
01 45 23 00-0107 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	1,248.12	
01 45 23 00-0108 EA Testing And Certification Of Backflow Valves .....	620.93	
<b>01 45 23 00-0109 Non-destructive Field Testing Services (01 45 23 00-0099)</b>		
<b>01 45 23 00-0110 Infrared Thermography (01 45 23 00-0109)</b>		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
<b>01 45 23 00-0111 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0110)</b>		
Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0112 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	2,155.84	
01 45 23 00-0113 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.81	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
		1.02
01 45 23 00-0114 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	4.54	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
		0.68
<b>01 45 23 00-0115 Other Non-destructive Field Testing Services (01 45 23 00-0109)</b>		
01 45 23 00-0116 HR ASNT Certified Level I NDT Consultant.....	75.58	
01 45 23 00-0117 HR ASNT Certified Level II NDT Consultant.....	85.10	
01 45 23 00-0118 HR ASNT Certified Level III NDT Consultant.....	99.25	
01 45 23 00-0119 HR Certified Industrial Radiography Radiation Safety Personnel .....	110.02	
<b>01 45 23 00-0120 Concrete Slab Moisture Testing (01 45 23 00-0099)</b>		
01 45 23 00-0121 EA Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete.....	166.88	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 40</b>	<b>Quality Requirements</b>
	<b>01 45</b>	<b>Quality Control</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 45 29 Testing Laboratory Services** (01 45)

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

<b>01 45 29 00-0001</b>	<b>Soil Borings Laboratory Tests</b> <small>(01 45 29)</small>	
	See CSI section 02 32 13 00-0000 for soil borings.	
01 45 29 00-0002	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	161.19
01 45 29 00-0003	EA Shrinkage Limit, Soil Borings Laboratory Test.....	51.43
01 45 29 00-0004	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	124.00
01 45 29 00-0005	EA Consolidation, Soil Borings Laboratory Test.....	867.96
01 45 29 00-0006	EA Swell Test, Soil Borings Laboratory Test.....	136.08
01 45 29 00-0007	EA In Place Density, Soil Borings Laboratory Test.....	37.20
01 45 29 00-0008	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	23.11
01 45 29 00-0009	EA Hydrometer Analysis, Soil Borings Laboratory Test.....	298.36
01 45 29 00-0010	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	104.02
01 45 29 00-0011	EA Partial Sieve Analysis, Soil Borings Laboratory Test.....	20.57
01 45 29 00-0012	EA Laboratory Permeability, Soil Borings Laboratory Test.....	1,028.53
01 45 29 00-0013	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	208.04
01 45 29 00-0014	EA Sulfate Soundness, Soil Borings Laboratory Test.....	257.13
01 45 29 00-0015	EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	475.98
01 45 29 00-0016	EA Soil Bearing Ratio, ASTM D1883.....	526.77
01 45 29 00-0017	EA Compaction Test Subgrade, Soil Borings Laboratory Test.....	154.28
01 45 29 00-0018	EA Compaction Test Base Course, Soil Borings Laboratory Test.....	171.42
01 45 29 00-0019	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	367.92
01 45 29 00-0020	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	78.85

**01 50 Temporary Facilities and Controls** (01)

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

**01 51 Temporary Utilities** (01 50)

**01 51 13 Temporary Electricity** (01 51)

<b>01 51 13 00-0001</b>	<b>Temporary Service Switch And/or Building Feeder Switch</b> <small>(01 51 13)</small>	
	Note: Includes all connections and removal after use.	
01 51 13 00-0002	EA Temporary 30 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	966.73
01 51 13 00-0003	EA Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	1,230.81
01 51 13 00-0004	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	1,593.09
01 51 13 00-0005	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	2,487.24
01 51 13 00-0006	EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	4,506.91
01 51 13 00-0007	EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	7,244.96
01 51 13 00-0008	EA Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	9,780.82
01 51 13 00-0009	EA Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	15,684.88
01 51 13 00-0010	EA Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	21,832.43

**01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses** (01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0012	EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,588.39
01 51 13 00-0013	EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,278.93
01 51 13 00-0014	EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,549.16
01 51 13 00-0015	EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,139.28

**01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards** (01 51 13)

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0017	LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards.....	12.50
01 51 13 00-0018	LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards.....	13.69

**01 51 26 Temporary Lighting** (01 51)

**01 51 26 00-0001 Temporary Lighting Devices** (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA Temporary Exit Light.....	349.75
01 51 26 00-0003	EA Temporary 10 Light String With Cages.....	123.88
01 51 26 00-0004	EA Temporary High Bay Light.....	461.63

**01 52 Construction Facilities** (01 50)

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

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

**01 52 13 00-0001 Field Offices and Office Trailers** (01 52 13)

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0002 MO 8' x 24' Mobile Office, With Toilet.....	259.19	
For Each Delivery And Removal, Two Round Trips, Add	1,553.97	
For Each Set-up (Block And Level), Add	854.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	800.55	
For Office Trailer Without Toilet, Deduct	-51.84	
01 52 13 00-0003 MO 8' x 32' Mobile Office, With Toilet.....	293.74	
For Each Delivery And Removal, Two Round Trips, Add	1,553.97	
For Each Set-up (Block And Level), Add	854.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	800.55	
For Office Trailer Without Toilet, Deduct	-58.75	
01 52 13 00-0004 MO 10' x 36' Mobile Office, With Toilet.....	397.42	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
For Office Trailer Without Toilet, Deduct	-79.48	
01 52 13 00-0005 MO 10' x 40' Mobile Office, With Toilet.....	423.34	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
For Office Trailer Without Toilet, Deduct	-84.67	
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	466.54	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	492.46	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	400.05	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
For Each Delivery And Removal, Two Round Trips, Add	764.29	
For Each Set-up (Block And Level), Add	596.40	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	534.86	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	636.73	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	880.37	
For Each Delivery And Removal, Two Round Trips, Add	3,107.94	
For Each Set-up (Block And Level), Add	1,341.73	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	1,204.24	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	1,382.32	
For Each Delivery And Removal, Two Round Trips, Add	4,661.92	
For Each Set-Up (Block And Level), Add	2,397.04	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	2,401.66	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,658.78	
For Each Delivery And Removal, Two Round Trips, Add	4,661.92	
For Each Set-Up (Block And Level), Add	2,397.04	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	2,401.66	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	867.19	
For Each Delivery And Removal, Two Round Trips, Add	4,661.92	
For Each Set-Up (Block And Level), Add	2,397.04	
For Each Anchoring Into Dirt, Add Per Each Anchor	238.57	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	332.78	
For Knockdown, Add	2,401.66	

01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)  
 Note: Costs includes installation or placement in trailer.

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 52</b>	<b>Construction Facilities</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 52 13 00-0016	MO	Desk For Field Office Trailer .....	42.28	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer.....	26.42	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer.....	31.71	
01 52 13 00-0019	MO	Table For Field Office Trailer .....	21.14	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer.....	10.01	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer.....	116.26	
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer.....	84.55	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer.....	133.21	
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	16.59	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer .....	39.29	
01 52 13 00-0026	MO	Steps For Field Office Trailer .....	73.50	
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer.....	122.81	
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer.....	45.30	
01 52 13 00-0029	MO	Copier For Field Office Trailer.....	84.55	

**01 52 13 00-0030 Storage Containers (01 52 13)**

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container .....	144.00	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	<i>120.17</i>	
		<i>For &gt;12 Months, Deduct</i>	<i>-32.40</i>	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container .....	150.55	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	<i>132.19</i>	
		<i>For &gt;12 Months, Deduct</i>	<i>-33.87</i>	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container .....	178.04	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	<i>266.23</i>	
		<i>For &gt;12 Months, Deduct</i>	<i>-40.06</i>	

**01 52 19 Sanitary Facilities (01 52)**

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

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet.....	70.96	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	<i>25.00</i>	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0003	MO	Portable Chemical Toilet.....	212.88	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	<i>25.00</i>	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet .....	84.64	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	<i>25.00</i>	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet .....	248.36	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	<i>25.00</i>	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0006	WK	Two Station Portable Handwash.....	57.87	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0007	MO	Two Station Portable Handwash.....	175.53	
		<i>For Each Delivery And Set-up, Add</i>	<i>49.05</i>	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer .....	6,431.04	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		<i>For Each Delivery, Set-up And Removal, Two Round Trips, Add</i>	<i>1,243.18</i>	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,158.86	
		<i>For One Additional Service Per Week, Add</i>	<i>719.62</i>	
		Note: For one less service per week, UOM to be negative one (-1)		

**01 53 Temporary Construction (01 50)**

**01 53 16 Temporary Decking (01 53)**

**01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)**

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers .....	8.81	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail .....	40.35	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	16.27	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	30.07	

**01 53 23 Temporary Ramps (01 53)**

**01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)**

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.91	0.61
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**01 54 Construction Aids (01 50)**

**01 54 09 Personnel Protection Equipment (01 54)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 54 09 00-0001 Personnel Protection Equipment</b> <small>(01 54 09)</small>		
<small>Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.</small>		
01 54 09 00-0002 NTE Personnel Protection Equipment .....	0.00	
<small>Note: For specification publishing. Review specifications for requirements.</small>		
<b>01 54 23 Temporary Scaffolding and Platforms</b> <small>(01 54)</small>		
<b>01 54 23 00-0001 Scaffolding</b> <small>(01 54 23)</small>		
<small>Note: Additional scaffolding rental for work above the normal working height.</small>		
<b>01 54 23 00-0002 Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
<small>Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.</small>		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month .....	44.55	
<i>For Up To 25, Add</i> .....	17.82	
<i>For &gt;25 To 50, Add</i> .....	11.14	
<i>For &gt;50 To 150, Add</i> .....	4.46	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month .....	50.10	
<i>For Up To 25, Add</i> .....	20.04	
<i>For &gt;25 To 50, Add</i> .....	12.53	
<i>For &gt;50 To 150, Add</i> .....	5.01	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month .....	66.83	
<i>For Up To 25, Add</i> .....	26.73	
<i>For &gt;25 To 50, Add</i> .....	16.71	
<i>For &gt;50 To 150, Add</i> .....	6.68	
<b>01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>		
<small>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.</small>		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	54.80	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	71.86	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	95.90	
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	105.48	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	121.47	
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories .....	76.71	
<b>01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
<small>Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.</small>		
01 54 23 00-0014 CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month .....	72.22	
01 54 23 00-0015 CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month .....	132.41	
01 54 23 00-0016 LF Aluminum Joists, Per LF / Month .....	11.74	
01 54 23 00-0017 LF Aluminum Stringers, Per LF / Month .....	16.84	
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers, Per EA / Month .....	21.22	
<b>01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>		
<small>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.</small>		
01 54 23 00-0020 CCF Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	102.29	
01 54 23 00-0021 CCF >20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	127.86	
01 54 23 00-0022 CCF >40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	153.44	
01 54 23 00-0023 CCF >60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	166.22	
01 54 23 00-0024 CCF >80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	185.40	
<b>01 54 23 00-0025 Scaffolding Accessories</b> <small>(01 54 23 00-0001)</small>		
<small>See CSI section 01 54 23 00-0019 for erection.</small>		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding .....	45.25	
<small>Note: Includes removal after use.</small>		
<b>01 54 23 00-0027 Rolling Scaffolding</b> <small>(01 54 23)</small>		
<small>Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.</small>		
01 54 23 00-0028 DAY >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc. ....	14.33	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 54</b>	<b>Construction Aids</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 00-0029	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	57.42		
01 54 23 00-0030	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	229.65		
01 54 23 00-0031	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	23.99		
01 54 23 00-0032	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	96.07		
01 54 23 00-0033	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	384.33		
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	120.00		
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	150.01		

### 01 54 23 00-0036 Shoring Posts (01 54 23)

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	2.21		
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	8.82		
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	26.47		
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post.....	9.61		
		<i>For &gt;20 To 50, Deduct</i>	-1.44		
		<i>For &gt;50 To 100, Deduct</i>	-3.36		
		<i>For &gt;100, Deduct</i>	-5.29		

### 01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23)

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber.....	2.98		
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber.....	3.39		
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber.....	3.69		
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber.....	4.04		
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber.....	5.86		
01 54 23 00-0047	LF	2" x 4" Temporary Lumber.....	3.52		
01 54 23 00-0048	LF	2" x 6" Temporary Lumber.....	4.36		
01 54 23 00-0049	LF	2" x 8" Temporary Lumber.....	5.22		
01 54 23 00-0050	LF	2" x 10" Temporary Lumber.....	6.07		
01 54 23 00-0051	LF	2" x 12" Temporary Lumber.....	6.93		
01 54 23 00-0052	LF	3" x 8" Temporary Lumber.....	6.93		
01 54 23 00-0053	LF	3" x 10" Temporary Lumber.....	8.20		
01 54 23 00-0054	LF	3" x 12" Temporary Lumber.....	9.49		
01 54 23 00-0055	LF	4" x 4" Temporary Lumber.....	4.51		
01 54 23 00-0056	LF	4" x 6" Temporary Lumber.....	6.32		
01 54 23 00-0057	LF	6" x 6" Temporary Lumber.....	8.14		
01 54 23 00-0058	LF	6" x 8" Temporary Lumber.....	10.52		
01 54 23 00-0059	LF	12" x 12" Temporary Lumber.....	24.46		

### 01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block.....	131.83		
		Note: Includes removal after use.			
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block.....	164.80		
		Note: Includes removal after use.			
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block.....	215.77		
		Note: Includes removal after use.			

### 01 54 26 Temporary Swing Staging (01 54)

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

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

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

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated.....	3,174.68		
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated.....	3,333.41		
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated.....	3,492.14		
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated.....	3,650.88		
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated.....	3,809.61		
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated.....	3,968.35		
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated.....	4,127.08		
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated.....	915.47		
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated.....	1,144.33		
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling.....	5,115.36		
		Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.			
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling.....	7,108.67		
		Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.			
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,689.77		
01 54 26 00-0014	EA	Move Swing Stage Platform And Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,746.46		

## 01 55 Vehicular Access and Parking (01 50)

### 01 55 23 Temporary Roads (01 55)

#### 01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly .....4.58 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.58	
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....5.60 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	5.60	
<b>01 55 23 00-0004 Rumble Trench Plate</b> <small>(01 55 23)</small>		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental .....424.02	424.02	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate .....105.33 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	105.33	
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate .....26.33 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	26.33	
<b>01 55 23 00-0008 Temporary Road Ramps (Godwin)</b> <small>(01 55 23)</small>		
Note: Excludes asphalt and gravel.		
01 55 23 00-0009 EA 4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....5,217.18	5,217.18	239.48
01 55 23 00-0010 EA 6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....7,104.74	7,104.74	359.22
01 55 23 00-0011 EA 8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....9,816.33	9,816.33	478.95
01 55 23 00-0012 EA 12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....20,356.31	20,356.31	598.69
01 55 23 00-0013 EA 24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....29,866.23	29,866.23	718.43
<b>01 55 26 Traffic Control</b> <small>(01 55)</small>		
<b>01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask</b> <small>(01 55 26)</small>		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask .....5.56	5.56	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask .....6.71	6.71	
<b>01 55 26 00-0004 Temporary Preformed Traffic Line Tape</b> <small>(01 55 26)</small>		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape .....5.62	5.62	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape .....7.67	7.67	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape .....9.61	9.61	
<b>01 55 26 00-0008 Temporary Painted Traffic Lines</b> <small>(01 55 26)</small>		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines .....2.63 Note: Includes removal after use	2.63	
<i>For Not Removed, Deduct</i>	-1.79	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines .....3.48 Note: Includes removal after use	3.48	
<i>For Not Removed, Deduct</i>	-2.42	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines .....4.36 Note: Includes removal after use	4.36	
<i>For Not Removed, Deduct</i>	-3.06	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad .....3.63	3.63	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad .....3.67	3.67	
<b>01 55 26 00-0014 Temporary Pedestrian Traffic Control</b> <small>(01 55 26)</small>		
01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....11.65	11.65	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....15.29	15.29	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow .....9.05	9.05	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow .....11.12	11.12	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent .....12.14	12.14	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent .....16.74	16.74	
01 55 26 00-0021 CLF 1" Exterior Vinyl Warning Tape .....13.89	13.89	
01 55 26 00-0022 CLF 2" Exterior Vinyl Warning Tape .....19.53	19.53	
01 55 26 00-0023 CLF 3" Exterior Vinyl Warning Tape .....24.62	24.62	
01 55 26 00-0024 CLF 4" Exterior Vinyl Warning Tape .....28.79	28.79	
<b>01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent</b> <small>(01 55 26)</small>		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026 LF 4" Linear Delineation System .....12.02	12.02	
01 55 26 00-0027 LF 6" Linear Delineation System .....16.26	16.26	
<b>01 55 26 00-0028 Temporary Traffic Protection</b> <small>(01 55 26)</small>		
<b>01 55 26 00-0029 Temporary Portable Traffic Control Device Usage</b> <small>(01 55 26 00-0028)</small>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0166 for daily (or as needed) placement and removal of temporary traffic devices.		
01 55 26 00-0030 DAY 28" Cone With Reflective Collar .....0.91	0.91	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0031	WK	28" Cone With Reflective Collar.....	2.73	
01 55 26 00-0032	MO	28" Cone With Reflective Collar.....	8.19	
01 55 26 00-0033	DAY	36" Traffic Cone With Reflective Collar.....	1.14	
01 55 26 00-0034	WK	36" Traffic Cone With Reflective Collar.....	3.41	
01 55 26 00-0035	MO	36" Traffic Cone With Reflective Collar.....	10.24	
01 55 26 00-0036	DAY	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	2.14	
01 55 26 00-0037	WK	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	6.43	
01 55 26 00-0038	MO	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	19.30	
01 55 26 00-0039	DAY	Vertical Panel.....	2.75	
01 55 26 00-0040	WK	Vertical Panel.....	8.25	
01 55 26 00-0041	MO	Vertical Panel.....	24.75	
01 55 26 00-0042	DAY	Channelizer Drum.....	2.99	
01 55 26 00-0043	WK	Channelizer Drum.....	8.96	
01 55 26 00-0044	MO	Channelizer Drum.....	26.87	
01 55 26 00-0045	DAY	Stackable Channelizer Panel.....	1.41	
01 55 26 00-0046	WK	Stackable Channelizer Panel.....	4.24	
01 55 26 00-0047	MO	Stackable Channelizer Panel.....	12.71	
01 55 26 00-0048	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.95	
01 55 26 00-0049	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	5.86	
01 55 26 00-0050	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	17.59	
01 55 26 00-0051	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	4.33	
01 55 26 00-0052	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	13.00	
01 55 26 00-0053	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	39.00	
01 55 26 00-0054	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	4.94	
01 55 26 00-0055	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	14.81	
01 55 26 00-0056	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	44.44	
01 55 26 00-0057	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	9.03	
01 55 26 00-0058	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	27.10	
01 55 26 00-0059	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	81.30	
01 55 26 00-0060	DAY	Up To 10' Wide A Frame Barricade.....	4.95	
01 55 26 00-0061	WK	Up To 10' Wide A Frame Barricade.....	14.86	
01 55 26 00-0062	MO	Up To 10' Wide A Frame Barricade.....	44.59	
01 55 26 00-0063	DAY	Type A Or C Flasher.....	1.01	
01 55 26 00-0064	WK	Type A Or C Flasher.....	3.03	
01 55 26 00-0065	MO	Type A Or C Flasher.....	9.09	
01 55 26 00-0066	DAY	Type B High Intensity Flasher.....	5.48	
01 55 26 00-0067	WK	Type B High Intensity Flasher.....	16.43	
01 55 26 00-0068	MO	Type B High Intensity Flasher.....	49.30	

## 01 55 26 00-0069

Temporary Traffic Barriers Usage<sup>(01 55 26 00-0028)</sup>

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for delivery, placing and removal.

01 55 26 00-0070	DAY	6' Long Portable Parking Curbs.....	2.36	
01 55 26 00-0071	WK	6' Long Portable Parking Curbs.....	7.08	
01 55 26 00-0072	MO	6' Long Portable Parking Curbs.....	21.23	
01 55 26 00-0073	DAY	6' Long Portable Speed Bumps.....	6.98	
01 55 26 00-0074	WK	6' Long Portable Speed Bumps.....	20.95	
01 55 26 00-0075	MO	6' Long Portable Speed Bumps.....	62.84	
01 55 26 00-0076	DAY	8' To 12.5' Concrete Traffic Barrier.....	16.77	
01 55 26 00-0077	WK	8' To 12.5' Concrete Traffic Barrier.....	50.32	
01 55 26 00-0078	MO	8' To 12.5' Concrete Traffic Barrier.....	150.96	
01 55 26 00-0079	DAY	>12.5' To 20' Concrete Traffic Barrier.....	33.55	
01 55 26 00-0080	WK	>12.5' To 20' Concrete Traffic Barrier.....	100.64	
01 55 26 00-0081	MO	>12.5' To 20' Concrete Traffic Barrier.....	301.92	
01 55 26 00-0082	DAY	6' x 32" Tall Plastic Water Barrier.....	20.03	
01 55 26 00-0083	WK	6' x 32" Tall Plastic Water Barrier.....	60.09	
01 55 26 00-0084	MO	6' x 32" Tall Plastic Water Barrier.....	180.27	
01 55 26 00-0085	DAY	6' x 46" Tall Plastic Water Barrier.....	28.60	
01 55 26 00-0086	WK	6' x 46" Tall Plastic Water Barrier.....	85.80	
01 55 26 00-0087	MO	6' x 46" Tall Plastic Water Barrier.....	257.41	
01 55 26 00-0088	DAY	Sand Filled Crash Attenuator Barrels.....	11.19	
01 55 26 00-0089	WK	Sand Filled Crash Attenuator Barrels.....	33.58	
01 55 26 00-0090	MO	Sand Filled Crash Attenuator Barrels.....	100.75	
01 55 26 00-0091	MO	Rolling Straight Concrete Barrier, Per Each Barrier Per Month.....	3,719.85	
01 55 26 00-0092	MO	Rolling Absorbing Concrete Barrier, Per Each Barrier Per Month.....	1,487.94	
01 55 26 00-0093	MO	Rolling Transition Concrete Barrier, Per Each Barrier Per Month.....	396.78	
01 55 26 00-0094	EA	2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide..... Note: Includes delivery, pickup and two months rental.	6,922.93	
01 55 26 00-0095	MO	2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide..... Note: Rental rate after 1st two months.	656.49	
01 55 26 00-0096	EA	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide..... Note: Includes delivery, pickup and two months rental.	8,305.51	
01 55 26 00-0097	MO	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide..... Note: Rental rate after 1st two months.	984.74	
01 55 26 00-0098	EA	8 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (71 MPH), 24" Wide..... Note: Includes delivery, pickup and two months rental.	10,125.75	
01 55 26 00-0099	MO	8 Bay, Non-Gating, Redirective Crash Cushion System, 71 MPH, 24" Wide..... Note: Rental rate after 1st two months.	1,203.56	
01 55 26 00-0100	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)..... Note: Consists of 8 bays with nose piece at the front of the system.	1,588.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 55 26 00-0101**

**Temporary Portable Signs And Message Displays Usage** (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for delivery, placing and removal.

01 55 26 00-0102	DAY		Mesh Or Vinyl Roll-up Sign With Stand	8.79	
01 55 26 00-0103	WK		Mesh Or Vinyl Roll-up Sign With Stand	26.37	
01 55 26 00-0104	MO		Mesh Or Vinyl Roll-up Sign With Stand	79.10	
01 55 26 00-0105	DAY		18" x 18" Aluminum Construction Sign, With Portable Stand	3.45	
01 55 26 00-0106	WK		18" x 18" Aluminum Construction Sign, With Portable Stand	10.35	
01 55 26 00-0107	MO		18" x 18" Aluminum Construction Sign, With Portable Stand	31.05	
01 55 26 00-0108	DAY		30" x 24" Aluminum Construction Sign, With Portable Stand	4.79	
01 55 26 00-0109	WK		30" x 24" Aluminum Construction Sign, With Portable Stand	14.37	
01 55 26 00-0110	MO		30" x 24" Aluminum Construction Sign, With Portable Stand	43.10	
01 55 26 00-0111	DAY		30" x 30" Aluminum Construction Sign, With Portable Stand	4.24	
01 55 26 00-0112	WK		30" x 30" Aluminum Construction Sign, With Portable Stand	12.72	
01 55 26 00-0113	MO		30" x 30" Aluminum Construction Sign, With Portable Stand	38.16	
01 55 26 00-0114	DAY		48" x 18" Aluminum Construction Sign, With Portable Stand	5.24	
01 55 26 00-0115	WK		48" x 18" Aluminum Construction Sign, With Portable Stand	15.71	
01 55 26 00-0116	MO		48" x 18" Aluminum Construction Sign, With Portable Stand	47.14	
01 55 26 00-0117	DAY		48" x 24" Aluminum Construction Sign, With Portable Stand	6.14	
01 55 26 00-0118	WK		48" x 24" Aluminum Construction Sign, With Portable Stand	18.41	
01 55 26 00-0119	MO		48" x 24" Aluminum Construction Sign, With Portable Stand	55.22	
01 55 26 00-0120	DAY		48" x 30" Aluminum Construction Sign, With Portable Stand	7.03	
01 55 26 00-0121	WK		48" x 30" Aluminum Construction Sign, With Portable Stand	21.10	
01 55 26 00-0122	MO		48" x 30" Aluminum Construction Sign, With Portable Stand	63.30	
01 55 26 00-0123	DAY		48" x 36" Aluminum Construction Sign, With Portable Stand	7.93	
01 55 26 00-0124	WK		48" x 36" Aluminum Construction Sign, With Portable Stand	23.79	
01 55 26 00-0125	MO		48" x 36" Aluminum Construction Sign, With Portable Stand	71.38	
01 55 26 00-0126	DAY		48" x 48" Aluminum Construction Sign, With Portable Stand	9.73	
01 55 26 00-0127	WK		48" x 48" Aluminum Construction Sign, With Portable Stand	29.18	
01 55 26 00-0128	MO		48" x 48" Aluminum Construction Sign, With Portable Stand	87.55	
01 55 26 00-0129	DAY		60" x 24" Aluminum Construction Sign, With Portable Stand	9.58	
01 55 26 00-0130	WK		60" x 24" Aluminum Construction Sign, With Portable Stand	28.73	
01 55 26 00-0131	MO		60" x 24" Aluminum Construction Sign, With Portable Stand	86.20	
01 55 26 00-0132	DAY		60" x 30" Aluminum Construction Sign, With Portable Stand	10.70	
01 55 26 00-0133	WK		60" x 30" Aluminum Construction Sign, With Portable Stand	32.10	
01 55 26 00-0134	MO		60" x 30" Aluminum Construction Sign, With Portable Stand	96.30	
01 55 26 00-0135	DAY		60" x 36" Aluminum Construction Sign, With Portable Stand	11.82	
01 55 26 00-0136	WK		60" x 36" Aluminum Construction Sign, With Portable Stand	35.47	
01 55 26 00-0137	MO		60" x 36" Aluminum Construction Sign, With Portable Stand	106.40	
01 55 26 00-0138	DAY		Aluminum Sign And Post	4.97	
01 55 26 00-0139	WK		Aluminum Sign And Post	14.91	
01 55 26 00-0140	MO		Aluminum Sign And Post	44.74	
01 55 26 00-0141	DAY		Trailer Mounted Flashing Arrow Board	155.33	
01 55 26 00-0142	WK		Trailer Mounted Flashing Arrow Board	429.92	
01 55 26 00-0143	MO		Trailer Mounted Flashing Arrow Board	1,137.22	
01 55 26 00-0144	DAY		Trailer Mounted Portable Variable Message Sign (PVMS)	297.66	
01 55 26 00-0145	WK		Trailer Mounted Portable Variable Message Sign (PVMS)	793.76	
01 55 26 00-0146	MO		Trailer Mounted Portable Variable Message Sign (PVMS)	1,587.52	
01 55 26 00-0147	DAY		Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	1,495.13	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0148	WK		Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	4,485.39	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0149	MO		Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	13,456.17	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		

**01 55 26 00-0150**

**Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck** (01 55 26 00-0028)

Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0166 for daily (or as needed) placement and removal of temporary traffic devices, 01 74 19 00-0043 for delivery >15 miles.

01 55 26 00-0151	EA		Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	4.14	
01 55 26 00-0152	EA		Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	3.63	
01 55 26 00-0153	EA		Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	6.83	
01 55 26 00-0154	EA		Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.69	
01 55 26 00-0155	EA		Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.35	
01 55 26 00-0156	EA		Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	8.28	
01 55 26 00-0157	EA		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.35	
01 55 26 00-0158	EA		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.21	
01 55 26 00-0159	EA		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	25.87	
01 55 26 00-0160	EA		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	77.61	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0161	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier ..... 105.33 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		<i>For 1 Barrier, Add</i>	263.33	
		<i>For 2 Barriers, Add</i>	94.80	
		<i>For 3 Barriers, Add</i>	31.60	
01 55 26 00-0162	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier ..... 158.01 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		<i>For 1 Barrier, Add</i>	395.03	
		<i>For 2 Barriers, Add</i>	142.21	
		<i>For 3 Barriers, Add</i>	47.40	
01 55 26 00-0163	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier ..... 60.33 Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.		
		<i>For 1 Barrier, Add</i>	131.68	
		<i>For 2 Barriers, Add</i>	47.40	
		<i>For 3 Barriers, Add</i>	15.80	
01 55 26 00-0164	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels ..... 79.00 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		<i>For 1 Barrier, Add</i>	197.50	
		<i>For 2 Barriers, Add</i>	71.10	
		<i>For 3 Barriers, Add</i>	23.70	
01 55 26 00-0165	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) ..... 579.36 Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
<b>01 55 26 00-0166 Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) (01 55 26 00-0028)</b>				
01 55 26 00-0167	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area ..... 2.58		
01 55 26 00-0168	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area ..... 2.07		
01 55 26 00-0169	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area ..... 3.45		
01 55 26 00-0170	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area ..... 2.74		
01 55 26 00-0171	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area ..... 5.18		
01 55 26 00-0172	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area ..... 4.14		
01 55 26 00-0173	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area ..... 3.08		
01 55 26 00-0174	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area ..... 38.81		
01 55 26 00-0175	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area ..... 52.67 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
<b>01 55 26 00-0176 Place And Remove Temporary Signs For Detours (01 55 26 00-0028)</b>				
<b>01 55 26 00-0177 Temporary ReflectORIZED Signs For Detours (01 55 26 00-0176)</b>				
Note: Excludes posts.				
<b>01 55 26 00-0178 Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0177)</b>				
01 55 26 00-0179	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours ..... 98.82		
		<i>For Hi-Intensity Grade, Add</i>	10.19	
		<i>For Diamond Grade, Add</i>	19.37	
01 55 26 00-0180	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours ..... 112.89		
		<i>For Hi-Intensity Grade, Add</i>	13.33	
		<i>For Diamond Grade, Add</i>	25.33	
01 55 26 00-0181	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours ..... 121.71		
		<i>For Hi-Intensity Grade, Add</i>	20.36	
		<i>For Diamond Grade, Add</i>	32.29	
01 55 26 00-0182	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours ..... 139.26		
		<i>For Hi-Intensity Grade, Add</i>	7.63	
		<i>For Diamond Grade, Add</i>	41.35	
01 55 26 00-0183	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours ..... 181.19		
		<i>For Hi-Intensity Grade, Add</i>	22.43	
		<i>For Diamond Grade, Add</i>	70.34	
<b>01 55 26 00-0184 Other Temporary ReflectORIZED Traffic Signs For Detours (01 55 26 00-0177)</b>				
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.				
<b>01 55 26 00-0185 Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0184)</b>				
01 55 26 00-0186	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours ..... 66.05		
		<i>For Hi-Intensity Grade, Add</i>	2.53	
01 55 26 00-0187	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... 70.26		
		<i>For Hi-Intensity Grade, Add</i>	3.79	
01 55 26 00-0188	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours ..... 70.26		
		<i>For Hi-Intensity Grade, Add</i>	3.79	
01 55 26 00-0189	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours ..... 73.41		
		<i>For Hi-Intensity Grade, Add</i>	4.73	
01 55 26 00-0190	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... 76.57		
		<i>For Hi-Intensity Grade, Add</i>	5.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0191 EA Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	86.49 7.58	
01 55 26 00-0192 EA Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	111.75 15.15	
01 55 26 00-0193 EA Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	74.47 5.05	
01 55 26 00-0194 EA Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	86.49 7.58	
01 55 26 00-0195 EA Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	94.91 10.10	
01 55 26 00-0196 EA Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	103.33 12.63	
01 55 26 00-0197 EA Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	111.75 15.15	
01 55 26 00-0198 EA Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	99.12 11.36	
01 55 26 00-0199 EA Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	111.75 15.15	
01 55 26 00-0200 EA Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	127.98 18.94	
01 55 26 00-0201 EA Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	140.60 22.73	
01 55 26 00-0202 EA Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	192.89 34.09	
01 55 26 00-0203 EA Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	132.19 20.21	
01 55 26 00-0204 EA Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	149.02 25.25	
01 55 26 00-0205 EA Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	165.86 30.31	
01 55 26 00-0206 EA Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	197.10 35.36	
01 55 26 00-0207 EA Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	213.94 40.41	
01 55 26 00-0208 EA Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	230.78 45.46	
01 55 26 00-0209 EA Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	170.07 31.57	
01 55 26 00-0210 EA Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	205.52 37.88	
01 55 26 00-0211 EA Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	226.57 44.20	
01 55 26 00-0212 EA Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	262.02 50.51	
01 55 26 00-0213 EA Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	318.52 63.14	
01 55 26 00-0214 EA Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	230.78 45.46	
01 55 26 00-0215 EA Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	270.44 53.03	
01 55 26 00-0216 EA Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	310.11 60.61	
01 55 26 00-0217 EA Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	335.36 68.19	
01 55 26 00-0218 EA Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	375.02 75.76	
01 55 26 00-0219 EA Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	444.15 92.18	
01 55 26 00-0220 EA Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	465.20 98.49	
01 55 26 00-0221 EA Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	613.09 136.37	
01 55 26 00-0222 EA Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	314.31 61.87	
01 55 26 00-0223 EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	391.86 80.81	
01 55 26 00-0224 EA Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	439.94 90.92	
01 55 26 00-0225 EA Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	473.62 101.02	
01 55 26 00-0226 EA Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	528.91 111.12	
01 55 26 00-0227 EA Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	562.58 121.22	
01 55 26 00-0228 EA Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	644.33 141.43	
01 55 26 00-0229 EA Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	711.67 161.63	
01 55 26 00-0230 EA Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	745.34 171.73	
01 55 26 00-0231 EA Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	786.22 181.83	
01 55 26 00-0232 EA Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	678.00 151.53	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0233 EA Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	1,055.60 262.65	
<b>01 55 26 00-0234 Temporary Overhead Sign Structures For Detours (01 55 26 00-0176)</b> Note: Including horizontal Z-bars.		
01 55 26 00-0235 SF From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours ..... <i>For Over 10' High, Add</i>	22.50 13.00	
<b>01 55 26 00-0236 Temporary Sign Posts For Detours (01 55 26 00-0176)</b> Note: Excludes sign.		
<b>01 55 26 00-0237 Temporary U-Channel Sign Posts For Detours (01 55 26 00-0236)</b> Note: Excludes digging and concrete.		
<b>01 55 26 00-0238 Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0237)</b>		
01 55 26 00-0239 EA Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours .....	87.90	
01 55 26 00-0240 EA Temporary 6' Baked Enamel U-Channel Sign Post For Detours .....	114.43	
01 55 26 00-0241 EA Temporary 7' Baked Enamel U-Channel Sign Post For Detours .....	136.75	
01 55 26 00-0242 EA Temporary 8' Baked Enamel U-Channel Sign Post For Detours .....	160.02	
01 55 26 00-0243 EA Temporary 10' Baked Enamel U-Channel Sign Post For Detours .....	193.30	
01 55 26 00-0244 EA Temporary 12' Baked Enamel U-Channel Sign Post For Detours .....	205.31	
<b>01 55 26 00-0245 Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0237)</b>		
01 55 26 00-0246 EA Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours.....	93.89	
01 55 26 00-0247 EA Temporary 6' Galvanized Steel U-Channel Sign Post For Detours.....	123.93	
01 55 26 00-0248 EA Temporary 7' Galvanized Steel U-Channel Sign Post For Detours.....	158.25	
01 55 26 00-0249 EA Temporary 8' Galvanized Steel U-Channel Sign Post For Detours.....	183.78	
01 55 26 00-0250 EA Temporary 10' Galvanized Steel U-Channel Sign Post For Detours.....	210.60	
01 55 26 00-0251 EA Temporary 12' Galvanized Steel U-Channel Sign Post For Detours.....	220.36	
<b>01 55 26 00-0252 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0237)</b>		
01 55 26 00-0253 EA Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	86.49	
01 55 26 00-0254 EA Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	111.35	
01 55 26 00-0255 EA Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	133.04	
01 55 26 00-0256 EA Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	155.60	
01 55 26 00-0257 EA Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	185.28	
01 55 26 00-0258 EA Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	200.56	
<b>01 55 26 00-0259 Temporary Tubular Sign Posts For Detours (01 55 26 00-0236)</b> Note: Excludes digging and concrete.		
<b>01 55 26 00-0260 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0259)</b>		
01 55 26 00-0261 EA Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	124.91	
01 55 26 00-0262 EA Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	148.49	
01 55 26 00-0263 EA Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	175.07	
01 55 26 00-0264 EA Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	223.60	
01 55 26 00-0265 EA Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	242.37	
<b>01 55 26 00-0266 Temporary Square Sign Posts For Detours (01 55 26 00-0236)</b> Note: Excludes digging and concrete.		
<b>01 55 26 00-0267 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0266)</b>		
01 55 26 00-0268 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours .....	95.22	
01 55 26 00-0269 EA Temporary 6' Galvanized Steel Square Sign Post For Detours .....	146.44	
01 55 26 00-0270 EA Temporary 7' Galvanized Steel Square Sign Post For Detours .....	172.25	
01 55 26 00-0271 EA Temporary 8' Galvanized Steel Square Sign Post For Detours .....	200.92	
01 55 26 00-0272 EA Temporary 10' Galvanized Steel Square Sign Post For Detours .....	245.18	
01 55 26 00-0273 EA Temporary 12' Galvanized Steel Square Sign Post For Detours .....	263.93	
<b>01 55 26 00-0274 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0176)</b> Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
<b>01 55 26 00-0275 Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0274)</b>		
<b>01 55 26 00-0276 Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0275)</b>		
01 55 26 00-0277 EA Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours .....	108.96	
01 55 26 00-0278 EA Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours .....	68.14	
<b>01 55 26 00-0279 Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0275)</b>		
01 55 26 00-0280 LF Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours.....	12.72	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Temporary Facilities and Controls	01 50	
Vehicular Access and Parking	01 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0281 Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours <small>(01 55 26 00-0274)</small>		
01 55 26 00-0282 Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours <small>(01 55 26 00-0281)</small>		
01 55 26 00-0283 EA Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours .....	112.53	
01 55 26 00-0284 EA Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours .....	68.14	
01 55 26 00-0285 Temporary Breakaway Sign Posts, 4 Lb./LF For Detours <small>(01 55 26 00-0281)</small>		
01 55 26 00-0286 LF Temporary Breakaway Sign Post, 4 Lb./LF For Detours .....	14.93	
01 55 26 00-0287 Temporary Driven Sign Posts For Detours <small>(01 55 26 00-0274)</small>		
01 55 26 00-0288 Temporary Driven Posts, 2.5 Lb./LF For Detours <small>(01 55 26 00-0287)</small>		
01 55 26 00-0289 LF Temporary Driven Post, 2.5 Lb./LF For Detours .....	14.64	
For Each Soil Plate, Add	3.00	
01 55 26 00-0290 Temporary Driven Posts, 4 Lb./LF For Detours <small>(01 55 26 00-0287)</small>		
01 55 26 00-0291 LF Temporary Driven Post, 4 Lb./LF For Detours .....	17.82	
For Each Soil Plate, Add	3.00	
01 55 26 00-0292 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours <small>(01 55 26 00-0274)</small>		
01 55 26 00-0293 Temporary Omni-Directional Breakaway Systems For Signs For Detours <small>(01 55 26 00-0292)</small>		
Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0294 EA Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525) .....	1,221.97	
01 55 26 00-0295 EA Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650) .....	1,302.22	
01 55 26 00-0296 EA Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16) .....	892.73	
01 55 26 00-0297 EA Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5) .....	781.92	
01 55 26 00-0298 EA Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4) .....	886.60	
01 55 26 00-0299 EA Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6) .....	843.50	
01 55 26 00-0300 EA Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6) .....	792.41	
01 55 26 00-0301 Temporary Omni-Directional Breakaway Systems For Poles For Detours <small>(01 55 26 00-0292)</small>		
Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0302 EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings .....	438.22	
01 55 26 00-0303 EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings .....	459.49	
01 55 26 00-0304 EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings .....	477.14	
01 55 26 00-0305 EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings .....	724.50	
01 55 26 00-0306 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15" .....	63.61	
01 55 26 00-0307 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20" .....	84.83	
01 55 26 00-0308 Temporary Rumble Strips <small>(01 55 26)</small>		
Note: Includes removal after use.		
01 55 26 00-0309 LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip .....	14.35	
01 55 26 00-0310 LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip .....	10.32	

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

Note: Includes removal after use.

**01 56 16 Temporary Dust Barriers** (01 56)

**01 56 16 00-0001 Temporary Sheeting For Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002 SF 6 Mil, Plastic Sheeting, Applied To Floors .....	0.41
Note: Includes removal after use.	
01 56 16 00-0003 SF 6 Mil, Plastic Sheeting, Applied To Walls .....	0.53
Note: Includes removal after use.	
01 56 16 00-0004 SF 6 Mil, Plastic Sheeting, Applied To Ceilings .....	0.70
Note: Includes removal after use.	
01 56 16 00-0005 SF 6 Mil, Plastic Sheeting, Applied To Scaffolding .....	0.69
Note: Includes removal after use.	
01 56 16 00-0006 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors .....	0.49
Note: Includes removal after use.	
01 56 16 00-0007 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls .....	0.61
Note: Includes removal after use.	
01 56 16 00-0008 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings .....	0.78
Note: Includes removal after use.	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0009 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding ..... Note: Includes removal after use.	0.73	
01 56 16 00-0010 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.95	
01 56 16 00-0011 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors ..... Note: Includes removal after use.	0.52	
01 56 16 00-0012 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls ..... Note: Includes removal after use.	0.64	
01 56 16 00-0013 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings ..... Note: Includes removal after use.	0.81	
01 56 16 00-0014 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding ..... Note: Includes removal after use.	0.76	
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors ..... Note: Includes removal after use.	0.51	
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls ..... Note: Includes removal after use.	0.63	
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.80	
01 56 16 00-0018 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.75	
01 56 16 00-0019 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors ..... Note: Includes removal after use.	0.58	
01 56 16 00-0020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.70	
01 56 16 00-0021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings ..... Note: Includes removal after use.	0.87	
01 56 16 00-0022 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.82	
<b>01 56 16 00-0023 Temporary Canvas For Protection</b> (01 56 16) Note: Includes removal after use.		
01 56 16 00-0024 SF Heavy-Duty Woven Water Repellant Canvas, Applied To Walls .....	1.09	
<b>01 56 16 00-0025 Accessories For Temporary Sheeting</b> (01 56 16) Note: Includes removal after use.		
01 56 16 00-0026 EA 7' Zipper Door For Plastic Sheeting .....	26.35	
01 56 16 00-0027 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)..... Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	10.42	
<b>01 56 16 00-0028 Temporary Critical Barriers For Protection</b> (01 56 16) Note: Includes removal after use.		
01 56 16 00-0029 EA Up To 1 SF Individual Critical Barriers For Outlets And Receptacles .....	14.48	
01 56 16 00-0030 EA >1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. .... Note: Includes removal after use.	21.96	
01 56 16 00-0031 EA >4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. .... Note: Includes removal after use.	29.49	
01 56 16 00-0032 EA >8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. .... Note: Includes removal after use.	45.91	
<b>01 56 16 00-0033 Temporary Stud Wall</b> (01 56 16) Note: Includes removal after use.		
<b>01 56 16 00-0034 Temporary Stud Wall With Drywall</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
<b>01 56 16 00-0035 Temporary Stud Wall With Drywall</b> (01 56 16 00-0034)		
01 56 16 00-0036 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.63	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	0.92	
01 56 16 00-0037 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.63	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	0.92	
01 56 16 00-0038 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.76	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	0.92	
01 56 16 00-0039 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.60	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	1.04	
01 56 16 00-0040 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.60	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	1.04	
01 56 16 00-0041 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.86	
Note: Includes removal after use.		
For Metal Studs 24" On Center, Add/Deduct	1.04	
<b>01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall</b> (01 56 16 00-0034)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0043 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.78 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.78	
01 56 16 00-0044 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.82 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.82	
01 56 16 00-0045 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.74 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.74	
01 56 16 00-0046 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... 8.73 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	8.73	
01 56 16 00-0047 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.89 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.89	
01 56 16 00-0048 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.98 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.98	
01 56 16 00-0049 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.83 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.83	
01 56 16 00-0050 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 12.79 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	12.79	
<b>01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB)</b> <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.45 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.45	
01 56 16 00-0053 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.51 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.51	
01 56 16 00-0054 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.65 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.65	
01 56 16 00-0055 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.73 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.73	
01 56 16 00-0056 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.25 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.25	
01 56 16 00-0057 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.35 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.35	
01 56 16 00-0058 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.65 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.65	
01 56 16 00-0059 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.81 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.81	
<b>01 56 16 00-0060 Temporary Stud Wall With BC Plywood</b> <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 7.81 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	7.81	
01 56 16 00-0062 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 8.00 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	8.00	
01 56 16 00-0063 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 8.18 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	8.18	
01 56 16 00-0064 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... 8.34 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.92	8.34	
01 56 16 00-0065 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 10.96 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	10.96	
01 56 16 00-0066 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 11.34 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	11.34	
01 56 16 00-0067 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 11.70 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	11.70	
01 56 16 00-0068 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... 12.01 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.04	12.01	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 16 00-0069	<b>Temporary Stud Wall With Plastic Sheeting</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.	
01 56 16 00-0070	SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.33 0.78
01 56 16 00-0071	SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.42 0.78
01 56 16 00-0072	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.44 0.78
01 56 16 00-0073	SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.43 0.78
01 56 16 00-0074	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.51 0.78
01 56 16 00-0075	<b>Temporary Doors</b> (01 56 16 00-0033) Note: For temporary stud walls. Includes removal after use.	
01 56 16 00-0076	EA Temporary Metal Door And Frame ..... Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	698.72
01 56 16 00-0077	<b>Temporary Floor Protection</b> (01 56 16) Note: Includes removal after use.	
01 56 16 00-0078	SF 1/8" Thick, Masonite For Temporary Floor Protection ..... Note: Includes removal after use.	1.96
01 56 16 00-0079	SF 1/2" Thick, Plywood For Temporary Floor Protection ..... Note: Includes removal after use.	2.07
01 56 16 00-0080	SF 3/4" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.32
01 56 16 00-0081	LF 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection ..... Note: Includes removal after use.	0.93
01 56 16 00-0082	LF 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection ..... Note: Includes removal after use.	0.36
01 56 16 00-0083	CSF 3 Mil, Temporary Self-adhesive Carpet Protection Film..... Note: Includes removal after use.	28.84
01 56 16 00-0084	SF Burlap For Temporary Floor Protection..... Note: Includes removal after use.	0.78
01 56 16 00-0085	LF 36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection ..... Note: Includes removal after use.	0.65
	<i>For Seam Tape, Add Per LF</i>	0.28
01 56 16 00-0086	LF 36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection ..... Note: Includes removal after use.	0.76
	<i>For Seam Tape, Add Per LF</i>	0.28
01 56 16 00-0087	<b>Sticky Mats</b> (01 56 16) Note: Includes removal after use.	
01 56 16 00-0088	EA 18" x 36", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	39.78 26.24
01 56 16 00-0089	EA 18" x 46", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	45.61 30.61
01 56 16 00-0090	EA 24" x 36", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	45.61 30.61
01 56 16 00-0091	EA 25" x 45", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	60.19 41.54
01 56 16 00-0092	EA 36" x 36", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	66.02 45.92
01 56 16 00-0093	EA 36" x 46", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	71.85 50.29
01 56 16 00-0094	EA 36" x 60", 30 Layer Sticky Mat ..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	144.73 104.95
01 56 16 00-0095	EA 36" x 72", 30 Layer Sticky Mat ..... Note: Includes removal after use.	172.71
01 56 26	<b>Temporary Fencing</b> (01 56)	
01 56 26 00-0001	<b>Temporary Fencing</b> (01 56 26) Note: Per ASTM A392-06 Standards	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0002 Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete.		
01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004 LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months ..... 7.47 For >100 To 250, Deduct -0.18 For >250 To 500, Deduct -0.36 For >500, Deduct -0.54 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0005 LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months ..... 8.33 For >100 To 250, Deduct -0.21 For >250 To 500, Deduct -0.41 For >500, Deduct -0.62 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0006 LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months ..... 11.53 For >100 To 250, Deduct -0.35 For >250 To 500, Deduct -0.69 For >500, Deduct -1.04 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0007 LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months ..... 25.66 For >100 To 250, Deduct -1.03 For >250 To 500, Deduct -2.06 For >500, Deduct -3.09 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009 LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months ..... 7.84 For >100 To 250, Deduct -0.20 For >250 To 500, Deduct -0.40 For >500, Deduct -0.60 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months ..... 8.73 For >100 To 250, Deduct -0.23 For >250 To 500, Deduct -0.45 For >500, Deduct -0.68 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0011 LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months ..... 12.21 For >100 To 250, Deduct -0.38 For >250 To 500, Deduct -0.76 For >500, Deduct -1.14 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months ..... 27.71 For >100 To 250, Deduct -1.13 For >250 To 500, Deduct -2.26 For >500, Deduct -3.39 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months ..... 8.25 For >100 To 250, Deduct -0.22 For >250 To 500, Deduct -0.44 For >500, Deduct -0.66 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months ..... 9.19 For >100 To 250, Deduct -0.25 For >250 To 500, Deduct -0.50 For >500, Deduct -0.74 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months ..... 12.99 For >100 To 250, Deduct -0.42 For >250 To 500, Deduct -0.84 For >500, Deduct -1.26 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months ..... 29.97 For >100 To 250, Deduct -1.24 For >250 To 500, Deduct -2.49 For >500, Deduct -3.73 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months ..... 8.68 For >100 To 250, Deduct -0.24 For >250 To 500, Deduct -0.48 For >500, Deduct -0.73 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months ..... 9.66 For >100 To 250, Deduct -0.27 For >250 To 500, Deduct -0.54 For >500, Deduct -0.81 For Each LF Shade Cloth, Add 2.55		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	13.81	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.38	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	32.46	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-4.11	
For Each LF Shade Cloth, Add	4.75	
<b>01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)</b>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete.		
<b>01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	303.29	
For Each LF Shade Cloth, Add	17.27	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.44	
For Each LF Shade Cloth, Add	43.17	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	575.39	
For Each LF Shade Cloth, Add	51.80	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	654.63	
For Each LF Shade Cloth, Add	64.75	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	784.79	
For Each LF Shade Cloth, Add	86.34	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	872.81	
For Each LF Shade Cloth, Add	103.60	
<b>01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	324.39	
For Each LF Shade Cloth, Add	27.52	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	553.79	
For Each LF Shade Cloth, Add	68.80	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	621.92	
For Each LF Shade Cloth, Add	82.56	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	719.86	
For Each LF Shade Cloth, Add	103.20	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	870.53	
For Each LF Shade Cloth, Add	137.60	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	986.31	
For Each LF Shade Cloth, Add	165.12	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	362.01	
For Each LF Shade Cloth, Add	38.85	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	633.67	
For Shade Cloth, Add	97.13	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	709.30	
For Shade Cloth, Add	116.55	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	811.43	
For Shade Cloth, Add	145.69	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	991.69	
For Shade Cloth, Add	194.26	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,148.30	
For Shade Cloth, Add	233.11	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	439.15	
For Each LF Shade Cloth, Add	51.26	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	761.12	
For Each LF Shade Cloth, Add	128.16	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	853.63	
For Each LF Shade Cloth, Add	153.79	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	975.14	
For Each LF Shade Cloth, Add	192.23	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,192.06	
For Each LF Shade Cloth, Add	256.31	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,374.10	
For Each LF Shade Cloth, Add	307.57	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	314.86	
For Each LF Shade Cloth, Add	17.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	531.42	
For Each LF Shade Cloth, Add	43.17	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	595.95	
For Each LF Shade Cloth, Add	51.80	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	677.75	
For Each LF Shade Cloth, Add	64.75	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	813.06	
For Each LF Shade Cloth, Add	86.34	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	903.64	
For Each LF Shade Cloth, Add	103.60	
<b>01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	336.48	
For Each LF Shade Cloth, Add	27.52	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	572.59	
For Each LF Shade Cloth, Add	68.80	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	643.41	
For Each LF Shade Cloth, Add	82.56	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	744.04	
For Each LF Shade Cloth, Add	103.20	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	900.08	
For Each LF Shade Cloth, Add	137.60	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,018.55	
For Each LF Shade Cloth, Add	165.12	
<b>01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	375.30	
For Each LF Shade Cloth, Add	38.85	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	654.36	
For Shade Cloth, Add	97.13	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	732.94	
For Shade Cloth, Add	116.55	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	838.03	
For Shade Cloth, Add	145.69	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,024.19	
For Shade Cloth, Add	194.26	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,183.76	
For Shade Cloth, Add	233.11	
<b>01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	455.77	
For Each LF Shade Cloth, Add	51.26	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	786.97	
For Each LF Shade Cloth, Add	128.16	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	883.18	
For Each LF Shade Cloth, Add	153.79	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,008.39	
For Each LF Shade Cloth, Add	192.23	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,232.69	
For Each LF Shade Cloth, Add	256.31	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,418.42	
For Each LF Shade Cloth, Add	307.57	
<b>01 56 26 00-0082 Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	327.00	
For Each LF Shade Cloth, Add	17.27	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	550.31	
For Each LF Shade Cloth, Add	43.17	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	617.53	
For Each LF Shade Cloth, Add	51.80	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	702.04	
For Each LF Shade Cloth, Add	64.75	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	842.73	
For Each LF Shade Cloth, Add	86.34	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	936.02	
For Each LF Shade Cloth, Add	103.60	
<b>01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	349.18	
For Each LF Shade Cloth, Add	27.52	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	592.33	
For Each LF Shade Cloth, Add	68.80	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	665.97	
For Each LF Shade Cloth, Add	82.56	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	769.42	
For Each LF Shade Cloth, Add	103.20	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	931.11	
For Each LF Shade Cloth, Add	137.60	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,052.39	
For Each LF Shade Cloth, Add	165.12	
<b>01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	389.27	
For Each LF Shade Cloth, Add	38.85	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	676.08	
For Shade Cloth, Add	97.13	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	757.76	
For Shade Cloth, Add	116.55	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	865.95	
For Shade Cloth, Add	145.69	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,058.32	
For Shade Cloth, Add	194.26	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,220.99	
For Shade Cloth, Add	233.11	
<b>01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	473.23	
For Each LF Shade Cloth, Add	51.26	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	814.12	
For Each LF Shade Cloth, Add	128.16	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	914.21	
For Each LF Shade Cloth, Add	153.79	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,043.29	
For Each LF Shade Cloth, Add	192.23	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,275.35	
For Each LF Shade Cloth, Add	256.31	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,464.96	
For Each LF Shade Cloth, Add	307.57	
<b>01 56 26 00-0111 Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	339.14	
For Each LF Shade Cloth, Add	17.27	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	569.20	
For Each LF Shade Cloth, Add	43.17	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	639.12	
For Each LF Shade Cloth, Add	51.80	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	726.32	
For Each LF Shade Cloth, Add	64.75	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	872.41	
For Each LF Shade Cloth, Add	86.34	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	968.40	
For Each LF Shade Cloth, Add	103.60	
<b>01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	361.87	
For Each LF Shade Cloth, Add	27.52	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	612.08	
For Each LF Shade Cloth, Add	68.80	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	688.54	
For Each LF Shade Cloth, Add	82.56	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	794.81	
For Each LF Shade Cloth, Add	103.20	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	962.13	
For Each LF Shade Cloth, Add	137.60	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,086.24	
For Each LF Shade Cloth, Add	165.12	
<b>01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	403.23	
For Each LF Shade Cloth, Add	38.85	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	697.80	
For Shade Cloth, Add	97.13	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	782.59	
For Shade Cloth, Add	116.55	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	893.87	
For Shade Cloth, Add	145.69	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,092.45	
For Shade Cloth, Add	194.26	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,258.22	
For Shade Cloth, Add	233.11	



<b>General Requirements</b>	<b>01</b>	
Temporary Facilities and Controls	01 50	10
Temporary Barriers and Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 26 00-0133</b> 10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	490.68	
For Each LF Shade Cloth, Add	51.26	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	841.27	
For Each LF Shade Cloth, Add	128.16	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	945.23	
For Each LF Shade Cloth, Add	153.79	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	1,078.20	
For Each LF Shade Cloth, Add	192.23	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	1,318.02	
For Each LF Shade Cloth, Add	256.31	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	1,511.50	
For Each LF Shade Cloth, Add	307.57	
<b>01 56 26 00-0140</b> Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>		
Note: Includes delivery, set-up and removal. Excludes sandbags.		
<b>01 56 26 00-0141</b> Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.18	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.65	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	9.10	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.73	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	12.46	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.18	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0145</b> Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	8.56	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.71	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	9.50	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.79	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	13.14	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.28	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0149</b> Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.93	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.76	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	9.97	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.86	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	13.92	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.40	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0153</b> Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	9.39	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.83	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	10.44	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.93	
For Each LF Shade Cloth, Add	2.55	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months .....	14.72	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.52	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)</b>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag .....	7.31	
Note: Includes placement and removal.		
<b>01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)</b>		
Note: Excludes auguring/drilling for posts.		
<b>01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)</b>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts .....	4.26	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts .....	6.38	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts .....	9.22	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts .....	11.35	
<b>01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)</b>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.96	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	1.16	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	1.30	
<b>01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)</b>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts .....	124.86	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts .....	144.07	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts .....	177.68	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts .....	192.09	
<b>01 56 26 00-0174 Temporary Safety Fence (01 56 26)</b>		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	3.69	
<b>01 56 29 Temporary Protective Walkways (01 56)</b>		
<b>01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)</b>		
<b>01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001)</b>		
Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003 LF Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	204.58	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	6.00	
For Each Additional Foot Over 8' Wide, Add	3.00	
For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge .....	5.22	
<b>01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)</b>		
Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	15.89	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.38	
01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	17.89	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.68	
01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	19.88	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.98	
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	19.88	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.98	
01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	21.84	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.28	
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly .....	25.86	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.88	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Temporary Facilities and Controls	01 50	
Temporary Barriers and Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	23.87 3.58	
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	27.84 4.18	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	29.79 4.47	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	2.98	
<b>01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0017 LF Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add For Each Additional Foot Over 8' Wide, Add For Each Additional Foot Over 8' High, Add	42.58 2.50 1.25 0.75	
01 56 29 00-0018 LF Removal Of Netting For Sidewalk Bridge .....	1.44	
<b>01 56 29 00-0019 Temporary Safety Nets (01 56 29)</b>		
01 56 29 00-0020 SF Small Mesh Debris Netting ..... Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	3.01	
<b>01 56 33 Temporary Security Barriers (01 56)</b>		
<b>01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)</b>		
01 56 33 00-0002 OPNG Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day .....	14.41	
01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	9.27	
01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	10.74	
<b>01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)</b>		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.84	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	36.04	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	108.13	
<b>01 56 39 Temporary Tree and Plant Protection (01 56)</b>		
<b>01 56 39 00-0001 Temporary Tree Guards (01 56 39)</b>		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	210.81	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....	250.39	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....	272.21	
<b>01 57 Temporary Controls (01 50)</b>		
<b>01 57 23 Temporary Storm Water Pollution Control (01 57)</b>		
<b>01 57 23 00-0001 Temporary Drain Guard (01 57 23)</b>		
01 57 23 00-0002 EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	115.74	
01 57 23 00-0003 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)..... Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	113.56	
01 57 23 00-0004 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)..... Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	144.28	
01 57 23 00-0005 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)..... Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	142.07	
01 57 23 00-0006 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)..... Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	175.00	
<b>01 58 Project Identification (01 50)</b>		
<b>01 58 13 Temporary Project Signage (01 58)</b>		
01 58 13 00-0001 Project Sign (01 58 13)		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 58</b>	<b>Project Identification</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 58 13 00-0002	MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	167.11 39.99 77.13	26.42
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	283.79 79.99 154.27	27.62
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	400.45 119.99 231.40	28.82
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	517.13 159.99 308.54	30.02
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	16.20 5.00 9.64	0.96
01 58 13 00-0010	Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign .....	214.93	26.42
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign .....	256.01	27.62
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign .....	320.10	28.82
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign .....	380.63	30.02
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign .....	11.94	0.96
01 58 13 00-0017	Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	219.49	26.42
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	280.61	27.62
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	345.10	28.82
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	402.06	30.02
01 58 13 00-0022	SF >32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	12.61	0.96
01 58 13 00-0023	Fabricate And Install New Posts <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts .....	20.64	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts .....	15.60	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts .....	18.67	
01 58 13 00-0027	Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028	EA Installation And Removal Of Owner Supplied Project Sign .....	96.06	

## 01 60 Product Requirements (01)

### 01 66 Product Storage and Handling Requirements (01 60)

#### 01 66 19 Product Handling Requirements (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001	Transfer Delivered Materials Between Floors <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY Transfer Delivered Material Between Floors Via Stairs, Per Floor ..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	18.47	
01 66 19 00-0003	CY Transfer Delivered Material Between Floors Via Elevator, Per Trip ..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.01	
01 66 19 00-0004	Transfer Delivered Materials Distances Greater Than 125' <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	7.51	
01 66 19 00-0006	Transfer Demolition Debris Between Floors <small>(01 66 19)</small> Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor ..... Note: Quantity equals material volume times bulk factor times number of floors traveled.	18.47	
01 66 19 00-0008	CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip ..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.01	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Product Requirements	01 60	
Product Storage and Handling Requirements	01 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0009 <b>Transfer Demolition Debris Distances Greater Than 125'</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.		
01 66 19 00-0010    CY    Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' .....	7.51	
01 66 19 00-0011 <b>Moving Furniture And Furnishings</b> <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012    SF    Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.20	

**01 70 Execution and Closeout Requirements** (01)

**01 71 Examination and Preparation** (01 70)

**01 71 13 Mobilization** (01 71)

**01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization** (01 71 13)

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery. See CSI section 01 22 23 00-0972 for cranes.

01 71 13 00-0002    EA    Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....	534.49	
Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.		
01 71 13 00-0003    EA    Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	1,652.11	
Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.		
01 71 13 00-0004 <b>Crane Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005    EA    Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	570.12	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		142.53
For >60 To 100 Miles Radius, Add		228.05
01 71 13 00-0006    EA    >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane .....	926.44	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		231.61
For >60 To 100 Miles Radius, Add		370.58
01 71 13 00-0007    EA    >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane .....	1,282.76	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		320.69
For >60 To 100 Miles Radius, Add		513.10
01 71 13 00-0008    EA    >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane .....	2,066.66	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		516.67
For >60 To 100 Miles Radius, Add		826.66
01 71 13 00-0009    EA    >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane .....	2,594.02	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		648.51
For >60 To 100 Miles Radius, Add		1,037.61
01 71 13 00-0010    EA    >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane .....	3,228.27	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		807.07
For >60 To 100 Miles Radius, Add		1,291.31
01 71 13 00-0011    EA    >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane .....	3,720.00	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		930.00
For >60 To 100 Miles Radius, Add		1,488.00
01 71 13 00-0012    EA    >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane .....	4,161.84	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		1,040.46
For >60 To 100 Miles Radius, Add		1,664.74
01 71 13 00-0013    EA    75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	2,209.20	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add		552.30
For >60 To 100 Miles Radius, Add		883.68
01 71 13 00-0014    EA    100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,491.95	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add		872.99
For >60 To 100 Miles Radius, Add		1,396.78
01 71 13 00-0015    EA    125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,418.39	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add		1,104.60
For >60 To 100 Miles Radius, Add		1,767.36

<b>01</b>	<b>General Requirements</b>
<b>01 70</b>	<b>Execution and Closeout Requirements</b>
<b>01 71</b>	<b>Examination and Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	5,487.36	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,371.84	
For >60 To 100 Miles Radius, Add	2,194.94	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	6,841.39	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,710.35	
For >60 To 100 Miles Radius, Add	2,736.56	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	7,981.61	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,995.40	
For >60 To 100 Miles Radius, Add	3,192.64	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	11,402.30	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	2,850.58	
For >60 To 100 Miles Radius, Add	4,560.92	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	15,635.41	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	3,908.85	
For >60 To 100 Miles Radius, Add	6,254.16	
<b>01 71 23 Field Engineering (01 71)</b>		
<b>01 71 23 16 Construction Surveying (01 71 23)</b>		
<b>01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)</b>		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,364.79	
01 71 23 16-0003 ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,810.98	
01 71 23 16-0004 ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	5,474.10	
01 71 23 16-0005 ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	8,220.90	
01 71 23 16-0006 ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings).....	10,288.28	
<b>01 71 23 16-0007 Property Lines Survey (01 71 23 16)</b>		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land .....	3.04	
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land.....	3.51	
01 71 23 16-0010 LF Survey Property Lines On Wooded Land.....	4.11	
<b>01 71 23 16-0011 Survey Monument (01 71 23 16)</b>		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	214.36	
For Owner Furnished Monument, Deduct	-85.62	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	320.90	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	165.46	
01 71 23 16-0015 EA Reset/Relocate/Adjust Survey Monument Cover To Grade.....	256.86	
<b>01 71 23 16-0016 Facade Surveying (01 71 23 16)</b>		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors) .....	8.33	
<b>01 71 23 16-0018 Utility Survey (01 71 23 16)</b>		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	7,008.47	
<b>01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection (01 71 23 16)</b>		
<b>01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)</b>		
Note: One mobilization per project.		
01 71 23 16-0022 EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	4,256.03	
<b>01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)</b>		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024 EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	3,090.15	
01 71 23 16-0025 SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.30	
01 71 23 16-0026 SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	1.03	
01 71 23 16-0027 SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.82	
01 71 23 16-0028 SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.62	
01 71 23 16-0029 SF >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.49	
01 71 23 16-0030 SF >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.39	
01 71 23 16-0031 SF >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection .....	0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0032	<b>Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection</b> <i>(01 71 23 16-0020)</i>	
	Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0033 EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	1,030.05
01 71 23 16-0034 SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	0.06
01 71 23 16-0035	<b>Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection</b> <i>(01 71 23 16-0020)</i>	
	Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0036 EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	1,030.05
01 71 23 16-0037 SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.47
01 71 23 16-0038 SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.37
01 71 23 16-0039 SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.29
01 71 23 16-0040 SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.23
01 71 23 16-0041 SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.19
01 71 23 16-0042 SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.14
01 71 23 16-0043 SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.10
01 71 23 16-0044	<b>Pavement Structure And Thickness Measurement, GPR Pavement Inspection</b> <i>(01 71 23 16-0020)</i>	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0045 LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	7,659.45
01 71 23 16-0046 LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	3,339.42
01 71 23 16-0047 LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	2,486.54
01 71 23 16-0048 LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	1,357.61
01 71 23 16-0049 LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	1,067.13
01 71 23 16-0050	<b>Pavement Thickness Contour (Mapping), GPR Pavement Inspection</b> <i>(01 71 23 16-0020)</i>	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0051 LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	9,746.33
01 71 23 16-0052 LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	4,583.72
01 71 23 16-0053 LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	3,481.57
01 71 23 16-0054 LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,950.91
01 71 23 16-0055 LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,543.01
01 71 23 16-0056	<b>Pavement Void Detection (Mapping), GPR Pavement Inspection</b> <i>(01 71 23 16-0020)</i>	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0057 LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	11,573.64
01 71 23 16-0058 LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	5,671.46
01 71 23 16-0059 LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	4,350.93
01 71 23 16-0060 LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	2,470.06
01 71 23 16-0061 LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	1,957.10
01 71 23 16-0062	<b>Drone Survey (Extreme Aerial Productions)</b> <i>(01 71 23 16)</i>	
	Note: Thermographic services to electrical line grid inspections.	
01 71 23 16-0063	<b>Mobilization For Drone Surveying</b> <i>(01 71 23 16-0062)</i>	
01 71 23 16-0064 EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	276.92
01 71 23 16-0065 EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	692.29
01 71 23 16-0066 EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter .....	184.61
01 71 23 16-0067 EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection .....	369.22
01 71 23 16-0068 EA	Mobilization For Drone Survey Stockpile .....	184.61
01 71 23 16-0069 EA	Mobilization For Drone Inspection .....	184.61
01 71 23 16-0070 EA	Mobilization For Qualitative Drone Thermal Inspection .....	369.22
01 71 23 16-0071 EA	Mobilization For Quantitative Drone Thermal Inspection .....	461.52
01 71 23 16-0072 EA	Mobilization For Drone Agricultural Multispectral Survey .....	738.44
01 71 23 16-0073 EA	Mobilization For Drone Building Inspection/Scan/Thermal .....	553.83
01 71 23 16-0074 EA	Mobilization For Drone 3D Modelling .....	461.52
01 71 23 16-0075 EA	Mobilization For Drone Spraying Crops Or Sanitation .....	830.74
01 71 23 16-0076 EA	Mobilization For Drone Video Progression/Marketing .....	184.61
01 71 23 16-0077 EA	Mobilization For Drone Pictures Progression/Marketing .....	184.61
01 71 23 16-0078 EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks .....	184.61
01 71 23 16-0079 EA	Mobilization For Drone Accident Reconstruction .....	184.61
01 71 23 16-0080 EA	Mobilization For Drone Landfill Survey .....	276.92
01 71 23 16-0081 EA	Mobilization For Drone Event Security Using Tethered Drones .....	369.22
01 71 23 16-0082 EA	Mobilization For Drone Emergency Response .....	923.05
01 71 23 16-0083 EA	Mobilization For Drone Cell Tower Inspection .....	276.92
01 71 23 16-0084	<b>Drone Surveying</b> <i>(01 71 23 16-0062)</i>	

<b>01</b>	<b>General Requirements</b>
<b>01 70</b>	<b>Execution and Closeout Requirements</b>
<b>01 71</b>	<b>Examination and Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0085 HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....673.83 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0086 HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....858.44 <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 221.53		
01 71 23 16-0087 HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter .....553.83 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0088 HR Drone Road Survey For Topography/Progression/Inspection.....646.14 Note: 3 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0089 HR Drone Survey Stockpile .....461.52 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0090 HR Drone Inspection.....646.14 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection.....738.44 Note: 5 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection.....1,107.66 Note: 5 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey .....830.74 Note: 6 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal.....738.44 Note: 3 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0095 HR Drone 3D Modelling .....553.83 Note: 3 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation .....738.44 Note: 3 hour minimum <i>For Visual Observation, Add</i> 230.76 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0097 HR Drone Video Progression/Marketing .....369.22 Note: 2 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0098 HR Drone Pictures Progression/Marketing .....276.92 Note: 2 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks .....553.83 Note: 3 hour minimum		
01 71 23 16-0100 HR Drone Accident Reconstruction .....830.74 Note: 2 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0101 HR Drone Landfill Survey.....673.83 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones .....461.52 Note: 3 hour minimum <i>For Visual Observation, Add</i> 184.61 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0103 HR Drone Emergency Response.....461.52 Note: 3 hour minimum <i>For Visual Observation, Add</i> 276.92 <i>For Additional Manpower, Add</i> 184.61		
01 71 23 16-0104 HR Drone Cell Tower Inspection.....461.52 Note: 3 hour minimum <i>For Visual Observation, Add</i> 230.76 <i>For Additional Manpower, Add</i> 184.61		
<b>01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)</b>		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying.....461.52		
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying .....461.52		
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying .....184.61 Note: 2 hour minimum		



<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Execution and Closeout Requirements</b>	<b>01 70</b>	
<b>Examination and Preparation</b>	<b>01 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying..... Note: 3 hour minimum	369.22	
<b>01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)</b>		
01 71 23 16-0111 MI Travel Over 100 Miles For Drone Surveying..... Note: For additional miles over 100	1.06	
01 71 23 16-0112 EA Overnight Stay Per Person For Drone Surveying .....	230.76	
01 71 23 16-0113 EA Waiver Utilization B, C, D, And E For Drone Surveying..... Note: Restricted airspace	92.30	
01 71 23 16-0114 EA Night Waiver For Drone Surveying .....	120.00	
01 71 23 16-0115 EA Flying Over People Waiver For Drone Surveying .....	184.61	
01 71 23 16-0116 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	923.05	
01 71 23 16-0117 HR Editing Video For Drone Surveying..... Note: 2 hour minimum	184.61	
01 71 23 16-0118 HR Editing Pictures For Drone Surveying..... Note: 2 hour minimum	92.30	
01 71 23 16-0119 HR Custom Post Processing For Drone Surveying .....	276.92	
	Note: 3 hour minimum	
<b>01 71 36 Non-Destructive Concrete Examination (01 71)</b>		
<b>01 71 36 00-0001 Electromagnetic Survey (01 71 36)</b>		
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
<b>01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)</b>		
01 71 36 00-0003 EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,191.54	
01 71 36 00-0004 EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,787.31	
01 71 36 00-0005 EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,574.62	
<b>01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)</b>		
01 71 36 00-0007 EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	397.18	
01 71 36 00-0008 EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	794.36	
	Note: Includes GPS coordinates of located items and reference items.	
01 71 36 00-0009 EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	1,787.31	
	Note: Includes additions to the owner provided CAD drawing.	
<b>01 74 Cleaning and Waste Management (01 70)</b>		
<b>01 74 13 Progress Cleaning (01 74)</b>		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
<b>01 74 13 00-0001 General (01 74 13)</b>		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	19.21	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster .....	28.22	
	Note: Per CY of debris removed.	
01 74 13 00-0004 CSF Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process) .....	24.19	
	Note: For use in contained areas for Class III or IV infection control.	
<b>01 74 16 Site Maintenance (01 74)</b>		
<b>01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)</b>		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.		
<b>01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)</b>		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	26.31	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	31.58	
<b>01 74 16 00-0005 Runway Sweeping (01 74 16 00-0001)</b>		
01 74 16 00-0006 MSF Sweep Runway, With Street Sweep .....	39.47	
<b>01 74 19 Construction Waste Management and Disposal (01 74)</b>		
Note: Tasks in this section shall be used as directed by owner.		
<b>01 74 19 00-0001 Debris Chutes (01 74 19)</b>		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
<b>01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)</b>		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	46.16	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 74</b>	<b>Cleaning and Waste Management</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	69.79	
<b>01 74 19 00-0005 Plastic Temporary Debris Chutes</b> (01 74 19 00-0001)		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute.....	18.27	
For Steel Liner, Add	3.57	
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute.....	20.95	
For Steel Liner, Add	4.09	
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute.....	23.61	
For Steel Liner, Add	4.61	
<b>01 74 19 00-0009 Wood Temporary Debris Chutes</b> (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute.....	35.77	
Note: Includes fabrication and installation.		
<b>01 74 19 00-0011 Construction Dumpsters Rental</b> (01 74 19)		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 10 CY Dumpster (1 Ton) "Construction Debris".....	534.09	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0013 EA 15 CY Dumpster (2 Ton) "Construction Debris".....	573.34	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0014 EA 20 CY Dumpster (2 Ton) "Construction Debris".....	617.85	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0015 EA 30 CY Dumpster (3 Ton) "Construction Debris".....	701.33	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0016 EA 40 CY Dumpster (4 Ton) "Construction Debris".....	896.35	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	786.23	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable.....	857.94	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	921.96	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
<b>01 74 19 00-0020 Concrete Washout Service</b> (01 74 19)		
01 74 19 00-0021 MO Rampless Concrete Washout Bin.....	531.71	
Note: Includes delivery.		
01 74 19 00-0022 MO Ramped Concrete Washout Bin.....	638.06	
Note: Includes delivery.		
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin.....	656.49	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	1,422.40	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
<b>01 74 19 00-0025 Debris Processing Fee</b> (01 74 19)		
<b>01 74 19 00-0026 Material Recycling Fees</b> (01 74 19 00-0025)		
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center.....	18.76	
01 74 19 00-0028 CY Drop-Off Non-Reinforced Concrete At Recycling Center.....	25.13	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center.....	37.70	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center.....	32.67	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center.....	36.44	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center.....	17.59	
<b>01 74 19 00-0033 Landfill Dump Fees</b> (01 74 19 00-0025)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0043 for hauling.		
01 74 19 00-0034 CY Traditional Building Construction Materials Landfill Dump Fee.....	16.72	
01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee.....	72.88	
01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee.....	20.13	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Execution and Closeout Requirements</b>	<b>01 70</b>	
<b>Cleaning and Waste Management</b>	<b>01 74</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee .....48.00 Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	48.00	
01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....34.11	34.11	
01 74 19 00-0039 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash).....55.89	55.89	
01 74 19 00-0040 CY Clay Loads, Expansive Materials.....69.86	69.86	
01 74 19 00-0041 TON General Refuse.....81.76	81.76	
01 74 19 00-0042 EA Tires.....15.90	15.90	
<b>01 74 19 00-0043 Hauling</b> <small>(01 74 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0044 CYM Hauling On Paved Roads, First 15 Miles .....1.07	1.07	
01 74 19 00-0045 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....0.72	0.72	
01 74 19 00-0046 CYM Hauling On Unimproved Roads, First 15 Miles .....1.66	1.66	
01 74 19 00-0047 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles .....1.30	1.30	
<b>01 74 23 Final Cleaning</b> <small>(01 74)</small>		
<b>01 74 23 00-0001 Cleaning Of Glass</b> <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces .....32.78	32.78	

**END OF SECTION 01**

01	<b>01</b>	<b>General Requirements</b>
	01 70	Execution and Closeout Requirements
	01 74	Cleaning and Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Assessment	02 20	
Existing Material Assessment	02 25	

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

### 02 20 Assessment <sup>(02)</sup>

#### 02 25 Existing Material Assessment <sup>(02 20)</sup>

**02 25 16 Existing Concrete, Masonry or Asphalt Assessment <sup>(02 25)</sup>**  
 See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

**02 25 16 13 Concrete Assessment Drilling <sup>(02 25 16)</sup>**  
 See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

### 02 30 Subsurface Investigation <sup>(02)</sup>

#### 02 32 Geotechnical Investigations <sup>(02 30)</sup>

**02 32 13 Subsurface Drilling and Sampling <sup>(02 32)</sup>**  
 See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001	EA	Mobilization Of Drilling Crew <sup>(02 32 13)</sup>	1,333.05
02 32 13 00-0002	EA	Mobilization Of Drilling Crew.....	
02 32 13 00-0003		<b>Auger Borings <sup>(02 32 13)</sup></b>	
02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals.....	40.15
02 32 13 00-0005		<b>Cased Borings In Earth, With Samples <sup>(02 32 13)</sup></b>	
		Note: All types of soils.	
02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples.....	102.18
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples.....	174.75
02 32 13 00-0008		<b>Drilling In Rock, BW Core (2.125") <sup>(02 32 13)</sup></b>	
02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing.....	108.19
		Note: Includes sampling.	
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes.....	10.19
02 32 13 00-0011		<b>Drilling In Rock, NW Core (2.98") <sup>(02 32 13)</sup></b>	
02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing.....	139.87
		Note: Includes sampling.	
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes.....	11.71
02 32 13 00-0014		<b>Test Pits For Boring Activities <sup>(02 32 13)</sup></b>	
		Note: Excludes backfill.	
02 32 13 00-0015		<b>Backhoe Dug Test Pits <sup>(02 32 13 00-0014)</sup></b>	
02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation.....	77.74
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation.....	90.69
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation.....	120.93
02 32 13 00-0019		<b>Hand-Dug Test Pits <sup>(02 32 13 00-0014)</sup></b>	
02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation.....	213.44
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation.....	384.19
02 32 13 00-0022		<b>Shelby Tube Sampling <sup>(02 32 13)</sup></b>	
02 32 13 00-0023	EA	Shelby Tube Sampling.....	57.38
02 32 13 00-0024	EA	Penetration Test.....	46.75
02 32 13 00-0025		<b>Grouting <sup>(02 32 13)</sup></b>	
02 32 13 00-0026	VLF	Boreholes.....	10.88
02 32 19		<b>Exploratory Excavations <sup>(02 32)</sup></b>	
02 32 19 00-0001		<b>Hydro Excavation <sup>(02 32 19)</sup></b>	
		Note: Assumes on-site disposal. See CSI section 01 22 23 00-1372 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0043 for hauling excavated soil from site.	
02 32 19 00-0002	EA	Minimum Charge For Hydro Excavation.....	1,673.63
		Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day.....	956.36
		Note: Includes initial water.	

**02 Existing Conditions****02 30 Subsurface Investigation****02 32 Geotechnical Investigations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004 EA 1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day.....	1,195.45	
Note: Includes initial water		
02 32 19 00-0005 EA Move And Set-up At Different Access/Location, Hydro Excavation .....	119.54	
02 32 19 00-0006 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) .....	99.70	
Note: Normal soil conditions consist of silt, sand and gravel.		
02 32 19 00-0007 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	159.48	
Note: Adverse soil conditions consist of clay, glacial till and rocks.		

**02 40 Demolition and Structure Moving** <sup>(02)</sup>**02 41 Demolition** <sup>(02 40)</sup>**02 41 13 Selective Site Demolition** <sup>(02 41)</sup>**02 41 13 13 Paving Removal** <sup>(02 41 13)</sup>**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** <sup>(02 41 13 13)</sup>

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0002 SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	8.29	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,500, Deduct	-1.49	
For >2,500 To 5,000, Deduct	-2.16	
For >5,000 To 10,000, Deduct	-2.82	
For >10,000, Deduct	-3.48	
02 41 13 13-0003 SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	12.42	
For >500 To 1,000, Deduct	-1.24	
For >1,000 To 2,500, Deduct	-2.24	
For >2,500 To 5,000, Deduct	-3.23	
For >5,000 To 10,000, Deduct	-4.22	
For >10,000, Deduct	-5.22	
02 41 13 13-0004 SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	15.65	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,500, Deduct	-2.82	
For >2,500 To 5,000, Deduct	-4.07	
For >5,000 To 10,000, Deduct	-5.32	
For >10,000, Deduct	-6.57	
02 41 13 13-0005 SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	22.09	
For >500 To 1,000, Deduct	-2.21	
For >1,000 To 2,500, Deduct	-3.98	
For >2,500 To 5,000, Deduct	-5.74	
For >5,000 To 10,000, Deduct	-7.51	
For >10,000, Deduct	-9.28	
02 41 13 13-0006 SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	31.30	
For >500 To 1,000, Deduct	-3.13	
For >1,000 To 2,500, Deduct	-5.63	
For >2,500 To 5,000, Deduct	-8.14	
For >5,000 To 10,000, Deduct	-10.64	
For >10,000, Deduct	-13.15	
02 41 13 13-0007 SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving .....	44.18	
For >500 To 1,000, Deduct	-4.42	
For >1,000 To 2,500, Deduct	-7.95	
For >2,500 To 5,000, Deduct	-11.49	
For >5,000 To 10,000, Deduct	-15.02	
For >10,000, Deduct	-18.56	
02 41 13 13-0008 SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving .....	57.78	
For >500 To 1,000, Deduct	-5.78	
For >1,000 To 2,500, Deduct	-10.40	
For >2,500 To 5,000, Deduct	-15.02	
For >5,000 To 10,000, Deduct	-19.65	
For >10,000, Deduct	-24.27	
02 41 13 13-0009 SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving .....	75.12	
For >500 To 1,000, Deduct	-7.51	
For >1,000 To 2,500, Deduct	-13.52	
For >2,500 To 5,000, Deduct	-19.53	
For >5,000 To 10,000, Deduct	-25.54	
For >10,000, Deduct	-31.55	

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0011 SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.00	
02 41 13 13-0012 SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.55	
02 41 13 13-0013 SF >6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving .....	3.37	
02 41 13 13-0014 SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0015 SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	3.19	
02 41 13 13-0016 SF >6" To 9" By Hand, Break-up And Leave In Place Concrete Paving .....	4.21	
 <b>02 41 13 13-0017</b> <b>By Machine, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
<small>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.</small>		
02 41 13 13-0018 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	17.47	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.24	
For Elevated Slab, Add	8.74	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,500, Deduct	-3.14	
For >2,500 To 5,000, Deduct	-4.54	
For >5,000 To 10,000, Deduct	-5.94	
For >10,000, Deduct	-7.34	
02 41 13 13-0019 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving .....	23.84	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.15	
For Elevated Slab, Add	11.92	
For >500 To 1,000, Deduct	-2.38	
For >1,000 To 2,500, Deduct	-4.29	
For >2,500 To 5,000, Deduct	-6.20	
For >5,000 To 10,000, Deduct	-8.11	
For >10,000, Deduct	-10.01	
02 41 13 13-0020 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving .....	33.08	
For Elevated Slab, Add	16.54	
For >500 To 1,000, Deduct	-3.31	
For >1,000 To 2,500, Deduct	-5.95	
For >2,500 To 5,000, Deduct	-8.60	
For >5,000 To 10,000, Deduct	-11.25	
For >10,000, Deduct	-13.89	
02 41 13 13-0021 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving .....	43.17	
For Elevated Slab, Add	21.59	
For >500 To 1,000, Deduct	-4.32	
For >1,000 To 2,500, Deduct	-7.77	
For >2,500 To 5,000, Deduct	-11.22	
For >5,000 To 10,000, Deduct	-14.68	
For >10,000, Deduct	-18.13	
02 41 13 13-0022 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving .....	60.09	
For Elevated Slab, Add	30.05	
For >500 To 1,000, Deduct	-6.01	
For >1,000 To 2,500, Deduct	-10.82	
For >2,500 To 5,000, Deduct	-15.62	
For >5,000 To 10,000, Deduct	-20.43	
For >10,000, Deduct	-25.24	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	20.09	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.03	
For Elevated Slab, Add	10.05	
For >500 To 1,000, Deduct	-2.01	
For >1,000 To 2,500, Deduct	-3.62	
For >2,500 To 5,000, Deduct	-5.22	
For >5,000 To 10,000, Deduct	-6.83	
For >10,000, Deduct	-8.44	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	26.29	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.89	
For Elevated Slab, Add	13.15	
For >500 To 1,000, Deduct	-2.63	
For >1,000 To 2,500, Deduct	-4.73	
For >2,500 To 5,000, Deduct	-6.84	
For >5,000 To 10,000, Deduct	-8.94	
For >10,000, Deduct	-11.04	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	46.95	
For Elevated Slab, Add	23.48	
For >500 To 1,000, Deduct	-4.70	
For >1,000 To 2,500, Deduct	-8.45	
For >2,500 To 5,000, Deduct	-12.21	
For >5,000 To 10,000, Deduct	-15.96	
For >10,000, Deduct	-19.72	
02 41 13 13-0026 SY >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	61.33	
For Elevated Slab, Add	30.67	
For >500 To 1,000, Deduct	-6.13	
For >1,000 To 2,500, Deduct	-11.04	
For >2,500 To 5,000, Deduct	-15.95	
For >5,000 To 10,000, Deduct	-20.85	
For >10,000, Deduct	-25.76	
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	26.66	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	8.00	
For Elevated Slab, Add	13.33	
For >500 To 1,000, Deduct	-2.67	
For >1,000 To 2,500, Deduct	-4.80	
For >2,500 To 5,000, Deduct	-6.93	
For >5,000 To 10,000, Deduct	-9.06	
For >10,000, Deduct	-11.20	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	34.55	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	10.37	
For Elevated Slab, Add	17.28	
For >500 To 1,000, Deduct	-3.46	
For >1,000 To 2,500, Deduct	-6.22	
For >2,500 To 5,000, Deduct	-8.98	
For >5,000 To 10,000, Deduct	-11.75	
For >10,000, Deduct	-14.51	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	57.27	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	17.18	
For Elevated Slab, Add	28.64	
For >500 To 1,000, Deduct	-5.73	
For >1,000 To 2,500, Deduct	-10.31	
For >2,500 To 5,000, Deduct	-14.89	
For >5,000 To 10,000, Deduct	-19.47	
For >10,000, Deduct	-24.05	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	28.92	
For Elevated Slab, Add	14.46	
For >500 To 1,000, Deduct	-2.89	
For >1,000 To 2,500, Deduct	-5.21	
For >2,500 To 5,000, Deduct	-7.52	
For >5,000 To 10,000, Deduct	-9.83	
For >10,000, Deduct	-12.15	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	37.18	
For Elevated Slab, Add	18.59	
For >500 To 1,000, Deduct	-3.72	
For >1,000 To 2,500, Deduct	-6.69	
For >2,500 To 5,000, Deduct	-9.67	
For >5,000 To 10,000, Deduct	-12.64	
For >10,000, Deduct	-15.62	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	66.47	
For Elevated Slab, Add	33.24	
For >500 To 1,000, Deduct	-6.65	
For >1,000 To 2,500, Deduct	-11.96	
For >2,500 To 5,000, Deduct	-17.28	
For >5,000 To 10,000, Deduct	-22.60	
For >10,000, Deduct	-27.92	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	86.76	
For Elevated Slab, Add	43.38	
For >500 To 1,000, Deduct	-8.68	
For >1,000 To 2,500, Deduct	-15.62	
For >2,500 To 5,000, Deduct	-22.56	
For >5,000 To 10,000, Deduct	-29.50	
For >10,000, Deduct	-36.44	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	113.42	
For Elevated Slab, Add	56.71	
For >500 To 1,000, Deduct	-11.34	
For >1,000 To 2,500, Deduct	-20.42	
For >2,500 To 5,000, Deduct	-29.49	
For >5,000 To 10,000, Deduct	-38.56	
For >10,000, Deduct	-47.64	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	137.65	
For Elevated Slab, Add	68.83	
For >500 To 1,000, Deduct	-13.77	
For >1,000 To 2,500, Deduct	-24.78	
For >2,500 To 5,000, Deduct	-35.79	
For >5,000 To 10,000, Deduct	-46.80	
For >10,000, Deduct	-57.81	
<b>02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0037 SF >6" To 9" By Hand, Break-up And Remove Bituminous Paving .....	7.66	
02 41 13 13-0038 SF Up To 3" By Hand, Break-up And Remove Concrete Paving .....	5.60	
02 41 13 13-0039 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving .....	7.74	
02 41 13 13-0040 SF >6" To 9" By Hand, Break-up And Remove Concrete Paving .....	9.90	
02 41 13 13-0041 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	7.84	
02 41 13 13-0042 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	10.82	
02 41 13 13-0043 SF >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	13.87	
<b>02 41 13 13-0044 Grind Concrete</b> <small>(02 41 13 13)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0045 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	281.52	
Note: For each location up to 5' wide, feather up to 12" each direction.		
<i>For &gt;1/2" To 1" Depth Of Grinding, Add</i>	42.23	
<i>For &gt;1" To 1-1/2" Depth Of Grinding, Add</i>	70.38	
<i>For Up To 5, Add</i>	56.30	
<i>For &gt;5 To 10, Add</i>	28.15	
<i>For &gt;25 To 50, Deduct</i>	-28.15	
<i>For &gt;50 To 250, Deduct</i>	-42.23	
<i>For &gt;250, Deduct</i>	-56.30	
<i>For Sidewalks &gt;5', Add</i>	28.15	
<i>For Up To 12" Additional Feathering Per Side, Add</i>	28.15	
02 41 13 13-0046 Repair Uneven Sidewalks (02 41 13 13)		
Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 + 0)/2=1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0047 IF Up To 2,000 Inch Feet Repair Uneven Sidewalks .....	96.75	
02 41 13 13-0048 IF 2,000 To 3,000 Inch Feet Repair Uneven Sidewalks .....	91.79	
02 41 13 13-0049 IF 3,000 And Up Inch Feet Repair Uneven Sidewalks .....	86.83	
<b>02 41 13 15 Hydro Demolition (02 41 13)</b>		
02 41 13 15-0001 Hydro Demolition Of Concrete Pavement (02 41 13 15)		
Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	8.57	
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	10.71	
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	14.33	
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	28.52	
<b>02 41 19 Selective Demolition (02 41)</b>		
<b>02 41 19 13 Selective Building Demolition (02 41 19)</b>		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal .....	16.11	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal .....	25.17	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal .....	32.24	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal .....	40.36	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal .....	49.59	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	27.84	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	32.67	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	24.53	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	18.77	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	13.00	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	22.81	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	34.03	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	64.90	
02 41 19 13-0018 Facade Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal .....	6.13	
<i>For Cleaning and Storage For Reuse, Add</i>	9.20	
<i>For Reinforcing, Add</i>	0.92	
02 41 19 13-0020 Exterior Masonry Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0021 SF Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall .....	5.40	
02 41 19 13-0022 SF Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall .....	6.09	
02 41 19 13-0023 SF Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall .....	7.36	
02 41 19 13-0024 SF Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall .....	8.05	
02 41 19 13-0025 SF Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall .....	8.83	
02 41 19 13-0026 SF Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall .....	11.04	
02 41 19 13-0027 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	6.37	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0028 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	7.30	
02 41 19 13-0029 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	8.83	
02 41 19 13-0030 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	9.66	
02 41 19 13-0031 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	10.59	
02 41 19 13-0032 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	13.26	
02 41 19 13-0033 SF Demolish 4" Thick Brick Exterior Wall .....	5.40	
For Cleaning and Storage For Reuse, Add	8.10	
02 41 19 13-0034 SF Demolish 6" Thick Brick Exterior Wall .....	6.09	
For Cleaning and Storage For Reuse, Add	9.14	
02 41 19 13-0035 SF Demolish 8" Thick Brick Exterior Wall .....	7.36	
For Cleaning and Storage For Reuse, Add	11.04	
02 41 19 13-0036 SF Demolish 10" Thick Brick Exterior Wall .....	8.05	
For Cleaning and Storage For Reuse, Add	12.08	
02 41 19 13-0037 SF Demolish 12" Thick Brick Exterior Wall .....	8.83	
For Cleaning and Storage For Reuse, Add	13.25	
02 41 19 13-0038 SF Demolish 16" Thick Brick Exterior Wall .....	11.04	
For Cleaning and Storage For Reuse, Add	16.56	
02 41 19 13-0039 CF Exterior Brick, Concrete Block Or Composite Removal .....	15.69	
For Cleaning and Storage For Reuse, Add	23.54	
For Reinforcing, Add	2.35	
<b>02 41 19 13-0040 Lintel Removal</b> <small>(02 41 19 13-0001)</small>		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0041 LF Demolish Steel Lintel .....	14.99	
02 41 19 13-0042 LF Demolish Concrete Or Stone Lintel .....	19.99	
02 41 19 13-0043 LF Demolish Steel Shelf Angle .....	15.83	
<b>02 41 19 13-0044 Reinstall Lintel</b> <small>(02 41 19 13-0001)</small>		
Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0045 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel .....	10.17	
02 41 19 13-0046 LF Reinstall Existing Concrete Or Stone Lintel .....	19.99	
02 41 19 13-0047 LF Reinstall Existing Steel Shelf Angle .....	55.21	
Note: Includes fasteners.		
02 41 19 13-0048 LF Reinstall Existing Steel Lintel .....	22.22	
02 41 19 13-0049 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls .....	91.25	
02 41 19 13-0050 LF Removal And Replacement Of Steel Lintel Over Window Openings .....	169.38	
<b>02 41 19 13-0051 Exterior Concrete Wall Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0052 SF Demolish 4" Thick Reinforced Concrete Exterior Wall .....	7.46	
02 41 19 13-0053 SF Demolish 6" Thick Reinforced Concrete Exterior Wall .....	13.53	
02 41 19 13-0054 SF Demolish 8" Thick Reinforced Concrete Exterior Wall .....	17.00	
02 41 19 13-0055 SF Demolish 10" Thick Reinforced Concrete Exterior Wall .....	20.06	
02 41 19 13-0056 SF Demolish 12" Thick Reinforced Concrete Exterior Wall .....	23.71	
<b>02 41 19 13-0057 Saw Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0058 EA Saw Cut Minimum Set-up Charge, One Per Project .....	1,222.33	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0059 LF Bituminous Paving Up To 4" Depth, Saw Cut .....	2.74	
For Each Additional Pass (Depth To 3"), Add	1.05	
For >250, Deduct	-0.26	
02 41 19 13-0060 LF Brick Masonry Up To 4" Depth, Saw Cut .....	10.08	
For Each Additional Pass (Depth To 3"), Add	3.98	
For >250, Deduct	-0.99	
02 41 19 13-0061 LF Concrete Block Up To 4" Depth, Saw Cut .....	9.12	
For Each Additional Pass (Depth To 3"), Add	3.59	
For >250, Deduct	-0.89	
02 41 19 13-0062 LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut .....	3.16	
For Each Additional Pass (Depth To 3"), Add	1.20	
For >250, Deduct	-0.29	
02 41 19 13-0063 LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	4.15	
For Each Additional Pass (Depth To 3"), Add	1.58	
For >250, Deduct	-0.39	
02 41 19 13-0064 LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	6.78	
For Each Additional Pass (Depth To 3"), Add	2.63	
For >250, Deduct	-0.65	
02 41 19 13-0065 LF Plain Concrete Walls Up To 4" Depth, Saw Cut .....	12.86	
For Each Additional Pass (Depth To 3"), Add	5.08	
For >250, Deduct	-1.26	
02 41 19 13-0066 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth .....	17.28	
For Each Additional Pass (Depth To 3"), Add	6.83	
For >250, Deduct	-1.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0067 LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	3.43	
<i>For Each Additional Pass (Depth To 3"), Add</i>	1.24	
<i>For &gt;250, Deduct</i>	-0.30	
02 41 19 13-0068 LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	9.16	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.60	
<i>For &gt;250, Deduct</i>	-0.89	
02 41 19 13-0069 LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....	9.16	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.60	
<i>For &gt;250, Deduct</i>	-0.89	
02 41 19 13-0070 LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	9.16	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.60	
<i>For &gt;250, Deduct</i>	-0.89	
02 41 19 13-0071 LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut.....	9.16	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.60	
<i>For &gt;250, Deduct</i>	-0.89	
<b>02 41 19 13-0072 Torch Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes grinding edge		
02 41 19 13-0073 LF Up To 1/2", Torch Cut Steel Plate.....	3.33	
02 41 19 13-0074 LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	6.68	
02 41 19 13-0075 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	10.00	
02 41 19 13-0076 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	13.34	
02 41 19 13-0077 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	16.68	
02 41 19 13-0078 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	20.01	
02 41 19 13-0079 EA Minimum Charge For Torch Cutting.....	1,088.18	
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0080 Drilling In Existing Materials</b> <small>(02 41 19 13)</small>		
Note: Includes drill bit wear, water, layout, set-up and cleanup.		
<b>02 41 19 13-0081 Concrete Core Drilling</b> <small>(02 41 19 13-0080)</small>		
<b>02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0081)</small>		
02 41 19 13-0083 EA Drill 1" Diameter Core In Up To 4" Concrete.....	48.71	
<i>For Horizontal Cores, Add</i>	9.64	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.28	
02 41 19 13-0084 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	54.04	
<i>For Horizontal Cores, Add</i>	10.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.41	
02 41 19 13-0085 EA Drill 2" Diameter Core In Up To 4" Concrete.....	60.01	
<i>For Horizontal Cores, Add</i>	11.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.80	
02 41 19 13-0086 EA Drill 3" Diameter Core In Up To 4" Concrete.....	85.67	
<i>For Horizontal Cores, Add</i>	16.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.99	
02 41 19 13-0087 EA Drill 4" Diameter Core In Up To 4" Concrete.....	114.81	
<i>For Horizontal Cores, Add</i>	22.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.55	
02 41 19 13-0088 EA Drill 6" Diameter Core In Up To 4" Concrete.....	128.64	
<i>For Horizontal Cores, Add</i>	25.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.98	
02 41 19 13-0089 EA Drill 8" Diameter Core In Up To 4" Concrete.....	205.57	
<i>For Horizontal Cores, Add</i>	40.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.58	
02 41 19 13-0090 EA Drill 10" Diameter Core In Up To 4" Concrete.....	257.14	
<i>For Horizontal Cores, Add</i>	50.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.97	
02 41 19 13-0091 EA Drill 12" Diameter Core In Up To 4" Concrete.....	300.08	
<i>For Horizontal Cores, Add</i>	59.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	118.97	
02 41 19 13-0092 EA Drill 14" Diameter Core In Up To 4" Concrete.....	343.03	
<i>For Horizontal Cores, Add</i>	67.97	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	135.95	
02 41 19 13-0093 EA Drill 18" Diameter Core In Up To 4" Concrete.....	386.40	
<i>For Horizontal Cores, Add</i>	76.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.94	
<b>02 41 19 13-0094 &gt;4" To 6" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0081)</small>		
02 41 19 13-0095 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	69.61	
<i>For Horizontal Cores, Add</i>	13.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.52	
02 41 19 13-0096 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	77.26	
<i>For Horizontal Cores, Add</i>	15.29	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.58	
02 41 19 13-0097 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	85.76	
<i>For Horizontal Cores, Add</i>	16.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.98	
02 41 19 13-0098 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	103.06	
<i>For Horizontal Cores, Add</i>	20.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.79	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0099 EA Drill 4" Diameter Core In >4" To 6" Concrete .....	128.90	
For Horizontal Cores, Add	25.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.98	
02 41 19 13-0100 EA Drill 6" Diameter Core In >4" To 6" Concrete .....	171.75	
For Horizontal Cores, Add	33.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.98	
02 41 19 13-0101 EA Drill 8" Diameter Core In >4" To 6" Concrete .....	257.39	
For Horizontal Cores, Add	50.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.97	
02 41 19 13-0102 EA Drill 10" Diameter Core In >4" To 6" Concrete .....	300.74	
For Horizontal Cores, Add	59.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	118.97	
02 41 19 13-0103 EA Drill 12" Diameter Core In >4" To 6" Concrete .....	343.84	
For Horizontal Cores, Add	67.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.95	
02 41 19 13-0104 EA Drill 14" Diameter Core In >4" To 6" Concrete .....	387.16	
For Horizontal Cores, Add	76.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.94	
02 41 19 13-0105 EA Drill 18" Diameter Core In >4" To 6" Concrete .....	431.11	
For Horizontal Cores, Add	84.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.94	
<b>02 41 19 13-0106 &gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0107 EA Drill 1" Diameter Core In >6" To 8" Concrete .....	76.79	
For Horizontal Cores, Add	15.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.28	
02 41 19 13-0108 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete .....	85.20	
For Horizontal Cores, Add	16.82	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.65	
02 41 19 13-0109 EA Drill 2" Diameter Core In >6" To 8" Concrete .....	94.55	
For Horizontal Cores, Add	18.69	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.39	
02 41 19 13-0110 EA Drill 3" Diameter Core In >6" To 8" Concrete .....	111.96	
For Horizontal Cores, Add	22.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.19	
02 41 19 13-0111 EA Drill 4" Diameter Core In >6" To 8" Concrete .....	146.40	
For Horizontal Cores, Add	28.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	57.78	
02 41 19 13-0112 EA Drill 6" Diameter Core In >6" To 8" Concrete .....	206.36	
For Horizontal Cores, Add	40.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.58	
02 41 19 13-0113 EA Drill 8" Diameter Core In >6" To 8" Concrete .....	343.16	
For Horizontal Cores, Add	67.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.95	
02 41 19 13-0114 EA Drill 10" Diameter Core In >6" To 8" Concrete .....	386.75	
For Horizontal Cores, Add	76.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.94	
02 41 19 13-0115 EA Drill 12" Diameter Core In >6" To 8" Concrete .....	430.14	
For Horizontal Cores, Add	84.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.94	
02 41 19 13-0116 EA Drill 14" Diameter Core In >6" To 8" Concrete .....	473.75	
For Horizontal Cores, Add	93.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	186.90	
02 41 19 13-0117 EA Drill 18" Diameter Core In >6" To 8" Concrete .....	518.29	
For Horizontal Cores, Add	101.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	203.94	
<b>02 41 19 13-0118 &gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0119 EA Drill 1" Diameter Core In >8" To 10" Concrete .....	90.84	
For Horizontal Cores, Add	17.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.79	
02 41 19 13-0120 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete .....	100.79	
For Horizontal Cores, Add	19.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.77	
02 41 19 13-0121 EA Drill 2" Diameter Core In >8" To 10" Concrete .....	111.84	
For Horizontal Cores, Add	22.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.19	
02 41 19 13-0122 EA Drill 3" Diameter Core In >8" To 10" Concrete .....	129.34	
For Horizontal Cores, Add	25.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.98	
02 41 19 13-0123 EA Drill 4" Diameter Core In >8" To 10" Concrete .....	146.90	
For Horizontal Cores, Add	28.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	57.78	
02 41 19 13-0124 EA Drill 6" Diameter Core In >8" To 10" Concrete .....	206.97	
For Horizontal Cores, Add	40.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.58	
02 41 19 13-0125 EA Drill 8" Diameter Core In >8" To 10" Concrete .....	343.99	
For Horizontal Cores, Add	67.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.95	
02 41 19 13-0126 EA Drill 10" Diameter Core In >8" To 10" Concrete .....	387.84	
For Horizontal Cores, Add	76.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0127 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	431.38	
<i>For Horizontal Cores, Add</i>	84.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	169.91	
02 41 19 13-0128 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	475.41	
<i>For Horizontal Cores, Add</i>	93.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	186.90	
02 41 19 13-0129 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	520.36	
<i>For Horizontal Cores, Add</i>	101.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	203.89	
<b>02 41 19 13-0130 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0131 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	98.02	
<i>For Horizontal Cores, Add</i>	19.27	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.55	
02 41 19 13-0132 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	108.72	
<i>For Horizontal Cores, Add</i>	21.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.83	
02 41 19 13-0133 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	120.62	
<i>For Horizontal Cores, Add</i>	23.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.59	
02 41 19 13-0134 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	129.74	
<i>For Horizontal Cores, Add</i>	25.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.98	
02 41 19 13-0135 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	172.91	
<i>For Horizontal Cores, Add</i>	33.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.98	
02 41 19 13-0136 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	224.59	
<i>For Horizontal Cores, Add</i>	44.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	88.38	
02 41 19 13-0137 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	361.84	
<i>For Horizontal Cores, Add</i>	71.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	142.76	
02 41 19 13-0138 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	388.94	
<i>For Horizontal Cores, Add</i>	76.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.94	
02 41 19 13-0139 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	449.81	
<i>For Horizontal Cores, Add</i>	88.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	176.76	
<b>02 41 19 13-0140 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0141 IN Drill 1" Diameter Core In >12" Concrete.....	11.92	
<i>For Horizontal Cores, Add</i>	2.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.71	
02 41 19 13-0142 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	13.23	
<i>For Horizontal Cores, Add</i>	2.62	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.24	
02 41 19 13-0143 IN Drill 2" Diameter Core In >12" Concrete.....	14.68	
<i>For Horizontal Cores, Add</i>	2.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.82	
02 41 19 13-0144 IN Drill 3" Diameter Core In >12" Concrete.....	16.11	
<i>For Horizontal Cores, Add</i>	3.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.37	
02 41 19 13-0145 IN Drill 4" Diameter Core In >12" Concrete.....	21.49	
<i>For Horizontal Cores, Add</i>	4.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.50	
02 41 19 13-0146 IN Drill 6" Diameter Core In >12" Concrete.....	27.93	
<i>For Horizontal Cores, Add</i>	5.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.05	
02 41 19 13-0147 IN Drill 8" Diameter Core In >12" Concrete.....	45.06	
<i>For Horizontal Cores, Add</i>	8.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.86	
02 41 19 13-0148 IN Drill 10" Diameter Core In >12" Concrete.....	48.54	
<i>For Horizontal Cores, Add</i>	9.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.20	
02 41 19 13-0149 IN Drill 12" Diameter Core In >12" Concrete.....	55.93	
<i>For Horizontal Cores, Add</i>	11.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.11	
<b>02 41 19 13-0150 Brick/Concrete Block Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0151 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0152 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block.....	39.07	
<i>For Horizontal Cores, Add</i>	7.71	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.42	
02 41 19 13-0153 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block.....	43.34	
<i>For Horizontal Cores, Add</i>	8.56	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.13	
02 41 19 13-0154 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	48.11	
<i>For Horizontal Cores, Add</i>	9.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.04	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0155 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	68.68	
For Horizontal Cores, Add	13.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.19	
02 41 19 13-0156 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	92.03	
For Horizontal Cores, Add	18.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.44	
02 41 19 13-0157 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	103.15	
For Horizontal Cores, Add	20.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.79	
02 41 19 13-0158 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	164.78	
For Horizontal Cores, Add	32.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.26	
02 41 19 13-0159 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	206.15	
For Horizontal Cores, Add	40.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.58	
02 41 19 13-0160 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	240.59	
For Horizontal Cores, Add	47.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.18	
02 41 19 13-0161 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	275.06	
For Horizontal Cores, Add	54.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.76	
02 41 19 13-0162 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	309.94	
For Horizontal Cores, Add	61.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.35	
<b>02 41 19 13-0163 &gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0164 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block.....	55.85	
For Horizontal Cores, Add	11.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.02	
02 41 19 13-0165 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block.....	61.97	
For Horizontal Cores, Add	12.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.47	
02 41 19 13-0166 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	68.76	
For Horizontal Cores, Add	13.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.18	
02 41 19 13-0167 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	82.67	
For Horizontal Cores, Add	16.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.63	
02 41 19 13-0168 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	103.41	
For Horizontal Cores, Add	20.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.79	
02 41 19 13-0169 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	137.76	
For Horizontal Cores, Add	27.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.38	
02 41 19 13-0170 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	206.40	
For Horizontal Cores, Add	40.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.58	
02 41 19 13-0171 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	241.25	
For Horizontal Cores, Add	47.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.18	
02 41 19 13-0172 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	275.87	
For Horizontal Cores, Add	54.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.76	
02 41 19 13-0173 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	310.70	
For Horizontal Cores, Add	61.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.35	
02 41 19 13-0174 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	346.14	
For Horizontal Cores, Add	67.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.96	
<b>02 41 19 13-0175 &gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0176 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block.....	61.65	
For Horizontal Cores, Add	12.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.23	
02 41 19 13-0177 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block.....	68.38	
For Horizontal Cores, Add	13.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.92	
02 41 19 13-0178 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	75.86	
For Horizontal Cores, Add	14.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.91	
02 41 19 13-0179 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	89.87	
For Horizontal Cores, Add	17.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.35	
02 41 19 13-0180 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	117.51	
For Horizontal Cores, Add	23.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.22	
02 41 19 13-0181 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	165.57	
For Horizontal Cores, Add	32.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.26	
02 41 19 13-0182 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	275.19	
For Horizontal Cores, Add	54.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0183 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	310.29	
<i>For Horizontal Cores, Add</i>	61.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.35	
02 41 19 13-0184 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	345.17	
<i>For Horizontal Cores, Add</i>	67.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	135.96	
02 41 19 13-0185 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	380.31	
<i>For Horizontal Cores, Add</i>	74.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	149.53	
02 41 19 13-0186 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	416.32	
<i>For Horizontal Cores, Add</i>	81.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	163.15	
<b>02 41 19 13-0187 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0188 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block .....	72.95	
<i>For Horizontal Cores, Add</i>	14.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.63	
02 41 19 13-0189 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block .....	80.90	
<i>For Horizontal Cores, Add</i>	15.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.81	
02 41 19 13-0190 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block .....	89.74	
<i>For Horizontal Cores, Add</i>	17.67	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.35	
02 41 19 13-0191 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block .....	103.85	
<i>For Horizontal Cores, Add</i>	20.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.79	
02 41 19 13-0192 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block .....	118.01	
<i>For Horizontal Cores, Add</i>	23.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.22	
02 41 19 13-0193 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block .....	166.18	
<i>For Horizontal Cores, Add</i>	32.63	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.26	
02 41 19 13-0194 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block .....	276.02	
<i>For Horizontal Cores, Add</i>	54.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	108.76	
02 41 19 13-0195 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block .....	311.38	
<i>For Horizontal Cores, Add</i>	61.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.35	
02 41 19 13-0196 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block .....	346.42	
<i>For Horizontal Cores, Add</i>	67.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	135.93	
02 41 19 13-0197 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block .....	381.97	
<i>For Horizontal Cores, Add</i>	74.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	149.53	
02 41 19 13-0198 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block .....	418.42	
<i>For Horizontal Cores, Add</i>	81.56	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	163.12	
<b>02 41 19 13-0199 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0200 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block .....	78.74	
<i>For Horizontal Cores, Add</i>	15.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.84	
02 41 19 13-0201 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block .....	87.31	
<i>For Horizontal Cores, Add</i>	17.13	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.26	
02 41 19 13-0202 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block .....	96.82	
<i>For Horizontal Cores, Add</i>	19.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.07	
02 41 19 13-0203 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block .....	104.25	
<i>For Horizontal Cores, Add</i>	20.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.79	
02 41 19 13-0204 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block .....	138.92	
<i>For Horizontal Cores, Add</i>	27.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.38	
02 41 19 13-0205 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block .....	180.40	
<i>For Horizontal Cores, Add</i>	35.35	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	70.70	
02 41 19 13-0206 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block .....	290.46	
<i>For Horizontal Cores, Add</i>	57.10	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.20	
02 41 19 13-0207 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block .....	312.48	
<i>For Horizontal Cores, Add</i>	61.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.35	
02 41 19 13-0208 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block .....	361.42	
<i>For Horizontal Cores, Add</i>	70.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	141.40	
<b>02 41 19 13-0209 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0210 IN Drill 1" Diameter Core In >12" Brick/Concrete Block .....	9.56	
<i>For Horizontal Cores, Add</i>	1.88	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.77	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0211 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block .....	10.61	
For Horizontal Cores, Add	2.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.19	
02 41 19 13-0212 IN Drill 2" Diameter Core In >12" Brick/Concrete Block .....	11.77	
For Horizontal Cores, Add	2.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.65	
02 41 19 13-0213 IN Drill 3" Diameter Core In >12" Brick/Concrete Block .....	12.93	
For Horizontal Cores, Add	2.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.10	
02 41 19 13-0214 IN Drill 4" Diameter Core In >12" Brick/Concrete Block .....	17.24	
For Horizontal Cores, Add	3.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.80	
02 41 19 13-0215 IN Drill 6" Diameter Core In >12" Brick/Concrete Block .....	22.40	
For Horizontal Cores, Add	4.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.84	
02 41 19 13-0216 IN Drill 8" Diameter Core In >12" Brick/Concrete Block .....	36.13	
For Horizontal Cores, Add	7.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.29	
02 41 19 13-0217 IN Drill 10" Diameter Core In >12" Brick/Concrete Block .....	38.95	
For Horizontal Cores, Add	7.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.36	
02 41 19 13-0218 IN Drill 12" Diameter Core In >12" Brick/Concrete Block .....	44.88	
For Horizontal Cores, Add	8.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.69	
<b>02 41 19 13-0219 Asphalt Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0221 EA Drill 1" Diameter Core In Up To 2" Asphalt .....	23.37	
02 41 19 13-0222 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt .....	29.22	
02 41 19 13-0223 EA Drill 2" Diameter Core In Up To 2" Asphalt .....	36.52	
02 41 19 13-0224 EA Drill 3" Diameter Core In Up To 2" Asphalt .....	45.30	
02 41 19 13-0225 EA Drill 4" Diameter Core In Up To 2" Asphalt .....	57.01	
02 41 19 13-0226 EA Drill 6" Diameter Core In Up To 2" Asphalt .....	71.63	
02 41 19 13-0227 EA Drill 8" Diameter Core In Up To 2" Asphalt .....	89.21	
02 41 19 13-0228 EA Drill 10" Diameter Core In Up To 2" Asphalt .....	111.11	
02 41 19 13-0229 EA Drill 12" Diameter Core In Up To 2" Asphalt .....	138.85	
<b>02 41 19 13-0230 &gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0231 EA Drill 1" Diameter Core In >2" To 3" Asphalt .....	29.21	
02 41 19 13-0232 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt .....	37.97	
02 41 19 13-0233 EA Drill 2" Diameter Core In >2" To 3" Asphalt .....	46.73	
02 41 19 13-0234 EA Drill 3" Diameter Core In >2" To 3" Asphalt .....	58.43	
02 41 19 13-0235 EA Drill 4" Diameter Core In >2" To 3" Asphalt .....	73.05	
02 41 19 13-0236 EA Drill 6" Diameter Core In >2" To 3" Asphalt .....	92.05	
02 41 19 13-0237 EA Drill 8" Diameter Core In >2" To 3" Asphalt .....	114.02	
02 41 19 13-0238 EA Drill 10" Diameter Core In >2" To 3" Asphalt .....	143.20	
02 41 19 13-0239 EA Drill 12" Diameter Core In >2" To 3" Asphalt .....	178.23	
<b>02 41 19 13-0240 &gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0241 EA Drill 1" Diameter Core In >3" To 4" Asphalt .....	37.98	
02 41 19 13-0242 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt .....	48.21	
02 41 19 13-0243 EA Drill 2" Diameter Core In >3" To 4" Asphalt .....	59.90	
02 41 19 13-0244 EA Drill 3" Diameter Core In >3" To 4" Asphalt .....	74.53	
02 41 19 13-0245 EA Drill 4" Diameter Core In >3" To 4" Asphalt .....	93.56	
02 41 19 13-0246 EA Drill 6" Diameter Core In >3" To 4" Asphalt .....	116.94	
02 41 19 13-0247 EA Drill 8" Diameter Core In >3" To 4" Asphalt .....	146.26	
02 41 19 13-0248 EA Drill 10" Diameter Core In >3" To 4" Asphalt .....	182.75	
02 41 19 13-0249 EA Drill 12" Diameter Core In >3" To 4" Asphalt .....	228.01	
<b>02 41 19 13-0250 &gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0251 EA Drill 1" Diameter Core In >4" To 6" Asphalt .....	49.70	
02 41 19 13-0252 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt .....	61.42	
02 41 19 13-0253 EA Drill 2" Diameter Core In >4" To 6" Asphalt .....	76.02	
02 41 19 13-0254 EA Drill 3" Diameter Core In >4" To 6" Asphalt .....	96.55	
02 41 19 13-0255 EA Drill 4" Diameter Core In >4" To 6" Asphalt .....	119.98	
02 41 19 13-0256 EA Drill 6" Diameter Core In >4" To 6" Asphalt .....	149.26	
02 41 19 13-0257 EA Drill 8" Diameter Core In >4" To 6" Asphalt .....	187.40	
02 41 19 13-0258 EA Drill 10" Diameter Core In >4" To 6" Asphalt .....	234.12	
02 41 19 13-0259 EA Drill 12" Diameter Core In >4" To 6" Asphalt .....	292.59	
<b>02 41 19 13-0260 Manhole Core Drilling (02 41 19 13-0080)</b>		
02 41 19 13-0261 EA Drill 4" Diameter Core In 6" Brick Manhole .....	255.91	
02 41 19 13-0262 EA Drill 5" Diameter Core In 6" Brick Manhole .....	292.45	
02 41 19 13-0263 EA Drill 6" Diameter Core In 6" Brick Manhole .....	341.08	
02 41 19 13-0264 EA Drill 8" Diameter Core In 6" Brick Manhole .....	511.49	
02 41 19 13-0265 EA Drill 2" Diameter Core In 8" Concrete Manhole .....	342.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0266 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	365.10	
02 41 19 13-0267 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	401.92	
02 41 19 13-0268 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	431.24	
02 41 19 13-0269 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	511.46	
02 41 19 13-0270 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	730.51	
02 41 19 13-0271 EA Drill 2" Diameter Core In Fiberglass Manhole.....	34.02	
02 41 19 13-0272 EA Drill 3" Diameter Core In Fiberglass Manhole.....	39.26	
02 41 19 13-0273 EA Drill 4" Diameter Core In Fiberglass Manhole.....	42.54	
02 41 19 13-0274 EA Drill 5" Diameter Core In Fiberglass Manhole.....	46.41	
02 41 19 13-0275 EA Drill 6" Diameter Core In Fiberglass Manhole.....	51.05	
02 41 19 13-0276 EA Drill 8" Diameter Core In Fiberglass Manhole.....	56.73	
<b>02 41 19 13-0277</b>		
<b>Drilling In Concrete Per Inch Of Depth (02 41 19 13-0080)</b>		
Note: Includes layout.		
02 41 19 13-0278 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.32	
02 41 19 13-0279 IN 5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	2.45	
02 41 19 13-0280 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.59	
02 41 19 13-0281 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.78	
02 41 19 13-0282 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.96	
02 41 19 13-0283 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.24	
02 41 19 13-0284 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.51	
02 41 19 13-0285 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.68	
02 41 19 13-0286 IN 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.35	
02 41 19 13-0287 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.08	
02 41 19 13-0288 IN 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.35	
02 41 19 13-0289 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	4.62	
02 41 19 13-0290 IN 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	5.12	
02 41 19 13-0291 IN 2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.96	
<b>02 41 19 13-0292</b>		
<b>Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0080)</b>		
Note: Includes layout.		
02 41 19 13-0293 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.93	
02 41 19 13-0294 IN 5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.04	
02 41 19 13-0295 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.15	
02 41 19 13-0296 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.32	
02 41 19 13-0297 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.46	
02 41 19 13-0298 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.71	
02 41 19 13-0299 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.92	
02 41 19 13-0300 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.08	
02 41 19 13-0301 IN 1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.24	
02 41 19 13-0302 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.41	
02 41 19 13-0303 IN 1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.63	
02 41 19 13-0304 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.85	
02 41 19 13-0305 IN 1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.30	
02 41 19 13-0306 IN 2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.98	
<b>02 41 19 13-0307</b>		
<b>Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0080)</b>		
Note: Includes layout.		
02 41 19 13-0308 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.96	
02 41 19 13-0309 IN 5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.02	
02 41 19 13-0310 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	
02 41 19 13-0311 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.15	
02 41 19 13-0312 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.22	
02 41 19 13-0313 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.34	
02 41 19 13-0314 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.46	
02 41 19 13-0315 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.54	
02 41 19 13-0316 IN 1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.61	
02 41 19 13-0317 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.69	
02 41 19 13-0318 IN 1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.81	
02 41 19 13-0319 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.92	
02 41 19 13-0320 IN 1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.13	
02 41 19 13-0321 IN 2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.48	
<b>02 41 19 13-0322</b>		
<b>Limestone Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0323</b>		
<b>10" To 14" Thick Limestone Core Drilling (02 41 19 13-0322)</b>		
02 41 19 13-0324 EA Drill 1" Diameter Core In 10" To 14" Limestone.....	73.40	
02 41 19 13-0325 EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	88.16	
02 41 19 13-0326 EA Drill 2" Diameter Core In 10" To 14" Limestone.....	95.62	
02 41 19 13-0327 EA Drill 3" Diameter Core In 10" To 14" Limestone.....	110.58	
02 41 19 13-0328 EA Drill 4" Diameter Core In 10" To 14" Limestone.....	125.56	
02 41 19 13-0329 EA Drill 6" Diameter Core In 10" To 14" Limestone.....	176.95	
02 41 19 13-0330 EA Drill 8" Diameter Core In 10" To 14" Limestone.....	294.19	
<b>02 41 19 13-0331</b>		
<b>15" To 18" Thick Limestone Core Drilling (02 41 19 13-0322)</b>		
02 41 19 13-0332 EA Drill 1" Diameter Core In 15" To 18" Limestone.....	80.82	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0333 EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	95.60	
02 41 19 13-0334 EA Drill 2" Diameter Core In 15" To 18" Limestone.....	103.13	
02 41 19 13-0335 EA Drill 3" Diameter Core In 15" To 18" Limestone.....	110.90	
02 41 19 13-0336 EA Drill 4" Diameter Core In 15" To 18" Limestone.....	147.82	
02 41 19 13-0337 EA Drill 6" Diameter Core In 15" To 18" Limestone.....	191.96	
02 41 19 13-0338 EA Drill 8" Diameter Core In 15" To 18" Limestone.....	309.52	
<b>02 41 19 13-0339 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0322)</b>		
02 41 19 13-0340 EA Drill 1" Diameter Core In 19" To 24" Limestone.....	88.21	
02 41 19 13-0341 EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	103.04	
02 41 19 13-0342 EA Drill 2" Diameter Core In 19" To 24" Limestone.....	110.60	
02 41 19 13-0343 EA Drill 3" Diameter Core In 19" To 24" Limestone.....	125.69	
02 41 19 13-0344 EA Drill 4" Diameter Core In 19" To 24" Limestone.....	177.25	
02 41 19 13-0345 EA Drill 6" Diameter Core In 19" To 24" Limestone.....	221.52	
02 41 19 13-0346 EA Drill 8" Diameter Core In 19" To 24" Limestone.....	332.14	
<b>02 41 19 13-0347 Minimum Charge For Core Drilling (02 41 19 13-0080)</b>		
02 41 19 13-0348 EA Minimum Charge For Core Drill.....	984.75	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".		
<b>02 41 19 13-0349 Cutouts (02 41 19 13)</b>		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
<b>02 41 19 13-0350 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0349)</b>		
02 41 19 13-0351 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	55.19	
02 41 19 13-0352 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	58.53	
02 41 19 13-0353 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	61.88	
02 41 19 13-0354 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	65.23	
02 41 19 13-0355 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	66.90	
<b>02 41 19 13-0356 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0349)</b>		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0357 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	67.26	
02 41 19 13-0358 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	71.34	
02 41 19 13-0359 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	75.42	
02 41 19 13-0360 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	79.49	
02 41 19 13-0361 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	81.53	
<b>02 41 19 13-0362 Reinforced Concrete Wall Cutouts (02 41 19 13-0349)</b>		
02 41 19 13-0363 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	68.99	
02 41 19 13-0364 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	73.16	
02 41 19 13-0365 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	77.35	
02 41 19 13-0366 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	81.53	
02 41 19 13-0367 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	83.62	
<b>02 41 19 13-0368 Brick Wall Cutouts (02 41 19 13-0349)</b>		
Note: Excludes toothing.		
02 41 19 13-0369 SF 4" Thick Brick Wall Cutouts, <24 SF.....	20.91	
02 41 19 13-0370 SF 6" Thick Brick Wall Cutouts, <24 SF.....	34.50	
02 41 19 13-0371 SF 8" Thick Brick Wall Cutouts, <24 SF.....	48.04	
02 41 19 13-0372 SF 10" Thick Brick Wall Cutouts, <24 SF.....	58.53	
02 41 19 13-0373 SF 12" Thick Brick Wall Cutouts, <24 SF.....	70.04	
02 41 19 13-0374 SF 16" Thick Brick Wall Cutouts, <24 SF.....	82.58	
<b>02 41 19 13-0375 Concrete Block Wall Cutouts (02 41 19 13-0349)</b>		
Note: Excludes toothing.		
02 41 19 13-0376 SF 4" Thick Concrete Block Wall Cutouts, <24 SF.....	34.58	
02 41 19 13-0377 SF 6" Thick Concrete Block Wall Cutouts, <24 SF.....	36.62	
02 41 19 13-0378 SF 8" Thick Concrete Block Wall Cutouts, <24 SF.....	38.68	
02 41 19 13-0379 SF 10" Thick Concrete Block Wall Cutouts, <24 SF.....	40.76	
02 41 19 13-0380 SF 12" Thick Concrete Block Wall Cutouts, <24 SF.....	41.81	
02 41 19 13-0381 SF 16" Thick Concrete Block Wall Cutouts, <24 SF.....	43.90	
<b>02 41 19 13-0382 Limestone Cutouts (02 41 19 13-0349)</b>		
02 41 19 13-0383 SF 2" Thick Limestone Cutouts, <24 SF.....	58.53	
02 41 19 13-0384 SF 4" Thick Limestone Cutouts, <24 SF.....	71.08	
02 41 19 13-0385 SF 6" Thick Limestone Cutouts, <24 SF.....	75.26	
02 41 19 13-0386 SF 8" Thick Limestone Cutouts, <24 SF.....	79.44	
02 41 19 13-0387 SF 10" Thick Limestone Cutouts, <24 SF.....	83.62	
02 41 19 13-0388 SF 12" Thick Limestone Cutouts, <24 SF.....	87.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0389	<b>Toothing Masonry Cutouts</b> <small>(02 41 19 13-0349)</small> Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.	
02 41 19 13-0390	VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts.....	20.91
02 41 19 13-0391	VLF Brick, Hard Mortar, Toothing Masonry Cutouts.....	28.22
02 41 19 13-0392	VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts.....	12.54
02 41 19 13-0393	VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts.....	16.72

02 41 19 13-0394	<b>Minimum Charge For Cutouts</b> <small>(02 41 19 13-0349)</small> Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0395	EA Minimum Charge For Cutouts.....	418.11

**02 43 Structure Moving** (02 40)

02 43 13	<b>Structure Relocation</b> <small>(02 43)</small> Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.	
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**02 43 13 13 Building Relocation** (02 43 13)

02 43 13 13-0001	<b>Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete</b> <small>(02 43 13 13)</small> Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.	
02 43 13 13-0002	SF Up To 800 SF, Move Relocatable Metal Frame Building.....	40.56
02 43 13 13-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	38.33
02 43 13 13-0004	SF >920 SF, Move Relocatable Metal Frame Building.....	35.88
02 43 13 13-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building.....	32.54
02 43 13 13-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	30.42
02 43 13 13-0007	SF >920 SF, Move Relocatable Wood Frame Building.....	26.91
02 43 13 13-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	39.42
02 43 13 13-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	35.88
02 43 13 13-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building.....	30.42

**02 60 Contaminated Site Material Removal** (02)

**02 61 Removal and Disposal of Contaminated Soils** (02 60)

**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

02 61 13 00-0001	Excavation Of Non-Petroleum Contaminated Soil <small>(02 61 13)</small> See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing.	
02 61 13 00-0002	Excavate Non-Petroleum Contaminated Soil <small>(02 61 13 00-0001)</small>	
02 61 13 00-0003	CY Excavate Non-Petroleum Contaminated Soil..... Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	10.28
02 61 13 00-0004	CY Load Excavated Non-Petroleum Contaminated Soil.....	9.10
02 61 13 00-0005	CY Disposal Fees Of Non-Petroleum Contaminated Soil.....	48.00
02 61 13 00-0006	Excavate Petroleum Contaminated Soil <small>(02 61 13)</small>	
02 61 13 00-0007	CY Excavate Petroleum Contaminated Soil..... Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	15.42
02 61 13 00-0008	CY Load Excavated Petroleum Contaminated Soil.....	9.10
02 61 13 00-0009	CY Disposal Fees Of Petroleum Contaminated Soil.....	76.90
02 61 13 00-0010	Accessories For Contaminated Soil Stockpile <small>(02 61 13)</small>	
02 61 13 00-0011	SF 30 Mil Liner For Contaminated Soil Storage..... Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.63
02 61 13 00-0012	SF 10 Mil Liner For Contaminated Soil Storage..... Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.96

**02 61 26 Removal and Disposal of Asbestos Contaminated Soils** (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 61 26 00-0001	<b>Removal and Disposal of Asbestos Contaminated Soils</b> <small>(02 61 26)</small>	
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.	
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	1,290.88 387.26
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	85.57 25.67
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	57.05 17.12
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	42.85 12.86
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	34.23 10.27
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	29.10 8.73
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	26.18 7.85

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

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0043 for hauling.

02 65 00 00-0001	<b>Monitoring, Sampling, Testing And Analysis</b> <small>(02 65)</small>	
02 65 00 00-0002	<b>Field Samples For Testing Underground Storage Tank</b> <small>(02 65 00 00-0001)</small>	
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank .....	26.37
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank .....	26.37
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample .....	26.37
02 65 00 00-0006	<b>Lab Tests For Underground Storage Tank Removal</b> <small>(02 65 00 00-0001)</small>	
	Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.	
02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test ..... Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	214.08
02 65 00 00-0008	EA Flashpoint, Lab Test ..... Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	83.25
02 65 00 00-0009	EA TOX 9020, Lab Test ..... Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	200.28
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test ..... Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	214.08
02 65 00 00-0011	EA TRPH 418.1, Lab Test ..... Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	166.51
02 65 00 00-0012	EA VOC, Lab Test ..... Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	451.95
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test ..... Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	832.54
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test ..... Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	100.14
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test ..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	178.40
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test ..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	237.87
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test ..... Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	266.41
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test ..... Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	35.68
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test ..... Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	35.68
02 65 00 00-0020	EA Metals (Lead) 7421, Lab Test ..... Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	35.68
02 65 00 00-0021	EA Metals (Mercury) 7470, Lab Test ..... Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	66.60
02 65 00 00-0022	EA PNA/PAH 8100, Lab Test ..... Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	380.59
02 65 00 00-0023	EA Fuel Id ASTM D3328-78, Lab Test ..... Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	137.69
02 65 00 00-0024	EA pH, Lab Test .....	28.54
02 65 00 00-0025	EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....	356.80
02 65 00 00-0026	EA Methyl Tertiary Butyl Ether (MTBE), Lab Test .....	214.08



<b>Existing Conditions</b>		<b>02</b>
<b>Contaminated Site Material Removal</b>		<b>02 60</b>
<b>Underground Storage Tank Removal</b>		<b>02 65</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 65 00 00-0027</b>	<b>Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>	
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer ..... 1,170.14 Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,170.14	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems ..... 205.87 Note: By Certified Technician. Write report of findings for action if needed	205.87	
02 65 00 00-0030 EA Check And Report On Monitor Probes ..... 47.49 Note: By Certified Technician	47.49	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... 332.17 Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	332.17	
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System..... 173.60	173.60	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank ..... 249.82	249.82	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank ..... 359.62	359.62	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank ..... 223.53	223.53	
<b>02 65 00 00-0036</b>	<b>Tests And Sampling Labor Hours (02 65 00 00-0001)</b>	
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank ..... 132.42	132.42	
02 65 00 00-0038 HR Certified Geologist/Environmentalist..... 126.40	126.40	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank ..... 135.94 Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	135.94	
<b>02 65 00 00-0040</b>	<b>Remove Tank Contents (02 65)</b>	
<b>02 65 00 00-0041</b>	<b>Transfer Liquid (02 65 00 00-0040)</b>	
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank ..... 0.72 Note: Per gallon of material transferred.	0.72	
<b>02 65 00 00-0043</b>	<b>Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)</b>	
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank ..... 2.00	2.00	
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank ..... 0.88	0.88	
<b>02 65 00 00-0046</b>	<b>Sludge (02 65 00 00-0040)</b>	
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank ..... 7.21 Note: Includes scraping and solidifying agent.	7.21	
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank ..... 1.61	1.61	
<b>02 65 00 00-0049</b>	<b>Purge Vapors, Open And Clean Tank (02 65)</b>	
<b>02 65 00 00-0050</b>	<b>Purge Vapors (02 65 00 00-0049)</b>	
02 65 00 00-0051 LB Purge Tank Using Dry Ice ..... 4.83 Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.83	
<b>02 65 00 00-0052</b>	<b>High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b>	
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 381.52 Note: Includes removal and disposal of rinse water.	381.52	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 499.84	499.84	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 647.53	647.53	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 873.99	873.99	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 1,690.18	1,690.18	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 2,032.44	2,032.44	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 2,327.42	2,327.42	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 2,811.90	2,811.90	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 3,617.79	3,617.79	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 4,349.76	4,349.76	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 5,508.43	5,508.43	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 6,791.10	6,791.10	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior ..... 8,321.63	8,321.63	
<b>02 65 00 00-0066</b>	<b>Scrape Clean Tank Exterior (02 65 00 00-0049)</b>	
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior ..... 272.81	272.81	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior ..... 363.28	363.28	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior ..... 476.03	476.03	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior ..... 659.20	659.20	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior ..... 1,459.82	1,459.82	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior ..... 1,848.45	1,848.45	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior ..... 2,163.01	2,163.01	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior ..... 2,719.21	2,719.21	

<b>02</b>	<b>Existing Conditions</b>
<b>02 60</b>	<b>Contaminated Site Material Removal</b>
<b>02 65</b>	<b>Underground Storage Tank Removal</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior .....	3,534.31	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior .....	4,436.26	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior .....	5,776.37	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior .....	6,931.65	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior .....	8,664.57	
<b>02 65 00 00-0080 Tank And Piping Removal</b> <sup>(02 65)</sup>		
Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
<b>02 65 00 00-0081 Removal And Disposal Of Piping</b> <sup>(02 65 00 00-0080)</sup>		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping .....	21.80	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping .....	29.08	
<b>02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement</b> <sup>(02 65 00 00-0080)</sup>		
Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	757.15	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	919.39	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,081.65	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,352.05	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,892.87	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,379.60	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,704.10	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	3,244.91	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	4,326.55	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	5,186.57	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	6,077.60	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	7,110.27	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	8,887.84	
<b>02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary</b> <sup>(02 65 00 00-0080)</sup>		
Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	916.91	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,709.93	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,056.86	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,292.29	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,750.74	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	3,419.85	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	4,113.73	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	5,142.16	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	6,427.71	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	8,034.63	
<b>02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station</b> <sup>(02 65 00 00-0080)</sup>		
Note: Includes disposal fee.		
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	327.82	
For Each Additional Mile >15 Miles, Add	5.10	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	443.42	
For Each Additional Mile >15 Miles, Add	6.44	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	696.10	
For Each Additional Mile >15 Miles, Add	9.66	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,070.19	
For Each Additional Mile >15 Miles, Add	11.27	
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,888.53	
For Each Additional Mile >15 Miles, Add	19.86	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,952.92	
For Each Additional Mile >15 Miles, Add	21.47	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	2,060.27	
For Each Additional Mile >15 Miles, Add	24.15	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	2,981.02	
For Each Additional Mile >15 Miles, Add	32.20	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	4,099.91	
For Each Additional Mile >15 Miles, Add	48.30	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	4,789.43	
For Each Additional Mile >15 Miles, Add	53.67	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	5,920.73	
For Each Additional Mile >15 Miles, Add	64.40	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	8,252.78	
For Each Additional Mile >15 Miles, Add	77.29	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	9,952.22	
For Each Additional Mile >15 Miles, Add	88.88	



<b>Existing Conditions</b>		<b>02</b>
<b>Contaminated Site Material Removal</b>		<b>02 60</b>
<b>Underground Storage Tank Removal</b>		<b>02 65</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 65 00 00-0123 Other Storage Tank Removals</b> (02 65 00 00-0080) Note: Based on tank gallon size		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.64	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.23	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection .....	1.42	
<b>02 65 00 00-0127 Tank Closure Report</b> (02 65 00 00-0080) Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report.....	3,417.92	
<b>02 65 00 00-0129 Temporary Tanks</b> (02 65)		
<b>02 65 00 00-0130 Temporary Holding Tanks</b> (02 65 00 00-0129)		
<b>02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental</b> (02 65 00 00-0130)		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	989.85	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	989.85	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,979.69	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,484.77	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,464.47	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,474.62	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	5,532.07	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	6,629.70	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	11,195.86	
<b>02 65 00 00-0141 Secondary Containment Berm</b> (02 65 00 00-0129)		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental .....	2,144.67	
<b>02 80 Facility Remediation</b> (02)		
<b>02 81 Transportation and Disposal of Hazardous Materials</b> (02 80)		
<b>02 81 00 00-0001 Hazardous Material Disposal</b> (02 81)		
02 81 00 00-0002 EA RCRA (Direct Landfill) Drums.....	524.80	
Note: Excludes stabilization. See CSI section 02 81 00 00-0003 for Stabilization (>5 ppm).		
02 81 00 00-0003 EA Stabilization (>5 ppm) .....	699.31	
02 81 00 00-0004 TON Bulk Hazardous Material Landfill Cost.....	442.72	
<b>02 81 00 00-0005 Equipment Oil Drain And Disposal</b> (02 81)		
02 81 00 00-0006 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	695.06	
Note: Excludes Disposal Cost.		
02 81 00 00-0007 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	109.22	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0008 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	496.48	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0009 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum.....	893.66	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0010 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site .....	119.20	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
<b>02 82 Asbestos Remediation</b> (02 80)		
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.		
<b>02 82 13 Asbestos Abatement</b> (02 82)		
<b>02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing</b> (02 82 13)		
Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002 HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	103.80	
02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	64.66	
02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	75.81	
02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	120.41	
02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing .....	207.37	
02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	251.97	
02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	51.29	
02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing .....	62.43	
02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing .....	84.73	
02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	64.66	
02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test.....	75.81	
02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test .....	120.41	
02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	207.37	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0015 EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	238.59	
02 82 13 00-0016 EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	332.24	
<b>02 82 16 Engineering Control of Asbestos Containing Materials (02 82)</b>		
<b>02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)</b>		
02 82 16 00-0002 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.77	
02 82 16 00-0003 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.41	
02 82 16 00-0004 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.62	
02 82 16 00-0005 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.84	
02 82 16 00-0006 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.80	
02 82 16 00-0007 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	9.98	
<b>02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)</b>		
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
<b>02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)</b>		
Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
<b>02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,308.66	
For Work In Restricted Working Space, Add	387.26	
02 82 33 00-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	44.90	
For Work In Restricted Working Space, Add	13.20	
02 82 33 00-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	33.89	
For Work In Restricted Working Space, Add	9.90	
02 82 33 00-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	25.64	
For Work In Restricted Working Space, Add	7.43	
02 82 33 00-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.45	
For Work In Restricted Working Space, Add	5.57	
02 82 33 00-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.04	
For Work In Restricted Working Space, Add	4.85	
<b>02 82 33 00-0010 &gt;6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0011 SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,326.44	
For Work In Restricted Working Space, Add	387.26	
02 82 33 00-0012 LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	52.39	
For Work In Restricted Working Space, Add	15.18	
02 82 33 00-0013 LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	39.73	
For Work In Restricted Working Space, Add	11.39	
02 82 33 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	30.24	
For Work In Restricted Working Space, Add	8.54	
02 82 33 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	23.12	
For Work In Restricted Working Space, Add	6.40	
02 82 33 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	20.35	
For Work In Restricted Working Space, Add	5.57	
<b>02 82 33 00-0017 &gt;12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0018 SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,344.21	
For Work In Restricted Working Space, Add	387.26	
02 82 33 00-0019 LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	69.85	
For Work In Restricted Working Space, Add	20.24	
02 82 33 00-0020 LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	52.97	
For Work In Restricted Working Space, Add	15.18	
02 82 33 00-0021 LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	40.32	
For Work In Restricted Working Space, Add	11.39	
02 82 33 00-0022 LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	30.82	
For Work In Restricted Working Space, Add	8.54	
02 82 33 00-0023 LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	27.12	
For Work In Restricted Working Space, Add	7.43	
<b>02 82 33 00-0024 &gt;18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0025 SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,361.99 387.26	
02 82 33 00-0026 LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	96.05 27.84	
02 82 33 00-0027 LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	72.84 20.87	
02 82 33 00-0028 LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	55.45 15.66	
02 82 33 00-0029 LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	42.39 11.74	
02 82 33 00-0030 LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	37.29 10.21	
<b>02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0032 SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	835.70 249.11	
02 82 33 00-0033 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	140.17 41.52	
02 82 33 00-0034 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	55.50 16.12	
02 82 33 00-0035 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	42.06 12.08	
02 82 33 00-0036 LF >500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	31.99 9.06	
<b>02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0039 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,299.77	
02 82 33 00-0040 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	53.48	
02 82 33 00-0041 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	44.14	
02 82 33 00-0042 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	35.46	
02 82 33 00-0043 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	28.97	
<b>02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0045 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,295.32	
02 82 33 00-0046 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	47.03	
02 82 33 00-0047 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	37.68	
02 82 33 00-0048 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	29.01	
02 82 33 00-0049 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	22.51	
<b>02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0051 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,293.84	
02 82 33 00-0052 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	41.72	
02 82 33 00-0053 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	32.38	
02 82 33 00-0054 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.70	
02 82 33 00-0055 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.20	
<b>02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> (02 82 33 00-0037) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0057 SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,301.99	
02 82 33 00-0058 SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	44.45	
02 82 33 00-0059 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	35.10	
02 82 33 00-0060 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.43	
02 82 33 00-0061 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.93	
<b>02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.		
02 82 33 00-0064 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	215.59	
<b>02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0066 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,301.99	
02 82 33 00-0067 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	53.24	
02 82 33 00-0068 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	40.03	
02 82 33 00-0069 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	30.13	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0070 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	22.70	
<b>02 82 33 00-0071 Acoustical Plaster, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0072 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	1,298.29	
02 82 33 00-0073 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	22.35	
02 82 33 00-0074 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	16.97	
02 82 33 00-0075 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.67	
02 82 33 00-0076 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.44	
<b>02 82 33 00-0077 Plywood, Asbestos Abatement And Disposal</b> (02 82 33 00-0062)		
02 82 33 00-0078 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	1,302.73	
02 82 33 00-0079 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	18.58	
02 82 33 00-0080 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	9.10	
02 82 33 00-0081 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	6.24	
02 82 33 00-0082 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.35	
<b>02 82 33 00-0083 Asbestos-Cement Products, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0084 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0085 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1,305.69	
02 82 33 00-0086 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	7.79	
02 82 33 00-0087 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.07	
02 82 33 00-0088 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.28	
02 82 33 00-0089 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.87	
<b>02 82 33 00-0090 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0091 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	1,093.52	
02 82 33 00-0092 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	45.79	
02 82 33 00-0093 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	34.78	
02 82 33 00-0094 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	26.53	
02 82 33 00-0095 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	20.34	
02 82 33 00-0096 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	15.71	
02 82 33 00-0097 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	15.37	
<b>02 82 33 00-0098 Exterior Transite Siding, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0099 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1,315.99	
Note: Single or first of multiple layers.		
02 82 33 00-0100 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	7.03	
Note: Single or first of multiple layers.		
02 82 33 00-0101 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	5.65	
Note: Single or first of multiple layers.		
02 82 33 00-0102 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.55	
Note: Single or first of multiple layers.		
02 82 33 00-0103 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.45	
Note: Single or first of multiple layers.		
02 82 33 00-0104 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.63	
Note: Single or first of multiple layers.		
<b>02 82 33 00-0105 Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0106 Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33 00-0105)		
02 82 33 00-0107 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	878.37	
For Work In Restricted Working Space, Add	258.18	
02 82 33 00-0108 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	87.35	
For Work In Restricted Working Space, Add	25.67	
02 82 33 00-0109 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	58.83	
For Work In Restricted Working Space, Add	17.12	
02 82 33 00-0110 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	44.63	
For Work In Restricted Working Space, Add	12.86	
02 82 33 00-0111 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	36.01	
For Work In Restricted Working Space, Add	10.27	
02 82 33 00-0112 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	30.88	
For Work In Restricted Working Space, Add	8.73	
02 82 33 00-0113 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	27.96	
For Work In Restricted Working Space, Add	7.85	
<b>02 82 33 00-0114 Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0115 30" To 36" Fire Door, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0116 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	438.29	
02 82 33 00-0117 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	162.90	



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0118 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal .....	147.41	
<b>02 82 33 00-0119 Grout, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
Note: e.g. flue grout.		
02 82 33 00-0120 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal .....	430.54	
02 82 33 00-0121 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal .....	16.96	
02 82 33 00-0122 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal .....	11.68	
02 82 33 00-0123 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal .....	10.01	
02 82 33 00-0124 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal .....	8.60	
02 82 33 00-0125 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal .....	7.41	
02 82 33 00-0126 LF >2,500 LF, Grout, Asbestos Abatement And Disposal .....	6.36	
<b>02 82 33 00-0127 Gaskets, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0128 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal .....	430.66	
02 82 33 00-0129 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal .....	22.86	
02 82 33 00-0130 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal .....	17.15	
02 82 33 00-0131 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal .....	14.62	
02 82 33 00-0132 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal .....	13.16	
02 82 33 00-0133 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	11.83	
02 82 33 00-0134 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	11.26	
<b>02 82 33 00-0135 Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
<b>02 82 33 00-0136 Non-Friable Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0135)		
02 82 33 00-0137 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	430.54	
02 82 33 00-0138 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	12.71	
02 82 33 00-0139 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	8.97	
02 82 33 00-0140 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	6.68	
02 82 33 00-0141 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	5.02	
02 82 33 00-0142 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	3.98	
02 82 33 00-0143 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	3.45	
<b>02 82 33 00-0144 Window Putty, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0145 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal .....	430.54	
02 82 33 00-0146 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal .....	16.96	
02 82 33 00-0147 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal .....	11.68	
02 82 33 00-0148 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal .....	10.01	
02 82 33 00-0149 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal .....	8.60	
02 82 33 00-0150 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal .....	7.41	
<b>02 82 33 00-0151 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0152 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	894.72	
02 82 33 00-0153 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	85.54	
02 82 33 00-0154 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	59.88	
02 82 33 00-0155 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	47.09	
02 82 33 00-0156 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	39.34	
02 82 33 00-0157 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	34.71	
02 82 33 00-0158 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	32.09	
<b>02 82 33 00-0159 Bearing Pads, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0160 SET Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal .....	431.03	
02 82 33 00-0161 EA >10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal .....	28.58	
02 82 33 00-0162 EA >20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal .....	18.35	
02 82 33 00-0163 EA >35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal .....	16.47	
02 82 33 00-0164 EA >50 EA, Bearing Pads, Asbestos Abatement And Disposal .....	14.81	

**02 83 Lead Remediation** (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

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

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

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting.

**02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation** (02 83 19 13)

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0002 EA Minimum Show Up Charge For Lead-Based Paint Remediation .....	1,314.25	
Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
<b>02 83 19 13-0003 Lead Sampling And Testing</b> <small>(02 83 19 13)</small>		
Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0004 HR Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	97.34	
02 83 19 13-0005 EA X-Ray Fluorescence (XRF) Lead Testing .....	76.86	
Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0006 EA 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	73.58	
02 83 19 13-0007 EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	111.49	
02 83 19 13-0008 EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	156.09	
02 83 19 13-0009 EA 5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	28.99	
02 83 19 13-0010 EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	44.60	
02 83 19 13-0011 EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	55.74	
02 83 19 13-0012 EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	73.58	
02 83 19 13-0013 EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	111.49	
02 83 19 13-0014 EA 5 Day Turnaround Lead Wipe Samples And Lab Fee .....	12.26	
02 83 19 13-0015 EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	16.72	
02 83 19 13-0016 EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee .....	24.53	
02 83 19 13-0017 EA 5 Day Turnaround Lead Air Samples And Lab Fee .....	12.26	
02 83 19 13-0018 EA 24 Hour Turnaround Lead Air Samples And Lab Fee .....	16.72	
02 83 19 13-0019 EA 8 Hour Turnaround Lead Air Samples And Lab Fee .....	24.53	
02 83 19 13-0020 EA 5 Day Turnaround Lead Water Test and Lab Fee .....	44.60	
02 83 19 13-0021 EA 24 Hour Turnaround Lead Water Test and Lab Fee .....	66.89	
02 83 19 13-0022 EA 8 Hour Turnaround Lead Water Test and Lab Fee .....	89.19	
02 83 19 13-0023 EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee .....	46.12	
02 83 19 13-0024 EA 5 Day Turnaround Lead Soil Test and Lab Fee .....	92.24	
<b>02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material</b> <small>(02 83 19 13)</small>		
Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026 SF Balustrades, Chemical Stripping Of Lead Contaminated Material .....	37.30	
For 0.025" (25 mil) Application, Add		2.12
For 0.03" (30 mil) Application, Add		3.33
02 83 19 13-0027 SF Balustrades, Ormate, Chemical Stripping Of Lead Contaminated Material .....	55.33	
For 0.025" (25 mil) Application, Add		3.02
For 0.03" (30 mil) Application, Add		4.68
02 83 19 13-0028 SF Wood Floors, Chemical Stripping Of Lead Contaminated Material .....	8.84	
For 0.025" (25 mil) Application, Add		0.64
For 0.03" (30 mil) Application, Add		1.09
02 83 19 13-0029 SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material .....	33.33	
For 0.025" (25 mil) Application, Add		1.87
For 0.03" (30 mil) Application, Add		2.92
02 83 19 13-0030 SF HVAC Grilles, Ormate, Chemical Stripping Of Lead Contaminated Material .....	39.74	
For 0.025" (25 mil) Application, Add		2.19
For 0.03" (30 mil) Application, Add		3.41
02 83 19 13-0031 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material .....	25.71	
For 0.025" (25 mil) Application, Add		1.59
For 0.03" (30 mil) Application, Add		2.57
For 0.125" (125 mil) Application, Add		15.43
02 83 19 13-0032 LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	11.52	
For 0.025" (25 mil) Application, Add		0.73
For 0.03" (30 mil) Application, Add		1.18
For 0.125" (125 mil) Application, Add		7.38
02 83 19 13-0033 LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	20.62	
For 0.025" (25 mil) Application, Add		1.28
For 0.03" (30 mil) Application, Add		2.08
For 0.125" (125 mil) Application, Add		12.66
02 83 19 13-0034 LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	28.26	
For 0.025" (25 mil) Application, Add		1.71
For 0.03" (30 mil) Application, Add		2.76
For 0.125" (125 mil) Application, Add		16.07
02 83 19 13-0035 LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	50.68	
For 0.025" (25 mil) Application, Add		2.98
For 0.03" (30 mil) Application, Add		4.76
For 0.125" (125 mil) Application, Add		26.17
02 83 19 13-0036 SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area .....	15.14	
For 0.025" (25 mil) Application, Add		0.87
For 0.03" (30 mil) Application, Add		1.37
For 0.125" (125 mil) Application, Add		7.03
02 83 19 13-0037 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material .....	301.10	
For 0.025" (25 mil) Application, Add		16.51
For 0.03" (30 mil) Application, Add		25.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0038 SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.60	
For 0.025" (25 mil) Application, Add	0.78	
For 0.03" (30 mil) Application, Add	1.30	
For 0.125" (125 mil) Application, Add	8.90	
02 83 19 13-0039 SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material.....	13.16	
For 0.025" (25 mil) Application, Add	0.86	
For 0.03" (30 mil) Application, Add	1.41	
For 0.125" (125 mil) Application, Add	9.29	
02 83 19 13-0040 SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	13.13	
For 0.025" (25 mil) Application, Add	0.86	
For 0.03" (30 mil) Application, Add	1.41	
For 0.125" (125 mil) Application, Add	9.28	
02 83 19 13-0041 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material.....	60.41	
For 0.025" (25 mil) Application, Add	3.42	
For 0.03" (30 mil) Application, Add	5.38	
For 0.125" (125 mil) Application, Add	27.10	
02 83 19 13-0042 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	10.49	
For 0.025" (25 mil) Application, Add	0.67	
For 0.03" (30 mil) Application, Add	1.11	
For 0.125" (125 mil) Application, Add	7.12	
02 83 19 13-0043 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	30.71	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.84	
For 0.03" (30 mil) Application, Add	2.94	
For 0.125" (125 mil) Application, Add	16.68	
02 83 19 13-0044 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	33.58	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.93	
For 0.03" (30 mil) Application, Add	3.05	
For 0.125" (125 mil) Application, Add	15.90	
<b>02 83 19 13-0045 Demolish Lead Contaminated Material</b> <small>(02 83 19 13)</small>		
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0046 SF Demolish Brick, Lead Contaminated Material.....	4.63	
02 83 19 13-0047 SF Demolish Concrete Block, Lead Contaminated Material.....	5.96	
02 83 19 13-0048 SF Demolish Up To 6" Concrete, Lead Contaminated Material.....	6.75	
02 83 19 13-0049 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	5.26	
02 83 19 13-0050 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	7.00	
02 83 19 13-0051 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	7.69	
02 83 19 13-0052 SF Demolish Concrete, Lead Contaminated Material.....	15.29	
02 83 19 13-0053 LF Demolish Cabinets, Lead Contaminated Material.....	35.61	
02 83 19 13-0054 SF Demolish Grilles, Lead Contaminated Material.....	4.29	
02 83 19 13-0055 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	18.51	
02 83 19 13-0056 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	7.59	
02 83 19 13-0057 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	11.07	
02 83 19 13-0058 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	16.74	
02 83 19 13-0059 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	30.87	
02 83 19 13-0060 EA Demolish Radiators, Lead Contaminated Material.....	133.34	
02 83 19 13-0061 SF Demolish Siding, Lead Contaminated Material.....	2.06	
02 83 19 13-0062 SF Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.80	
02 83 19 13-0063 SF Demolish Steel Beams, Lead Contaminated Material.....	5.66	
02 83 19 13-0064 SF Demolish Trusses, Lead Contaminated Material.....	7.42	
02 83 19 13-0065 SF Demolish Metal Stair, Lead Contaminated Material.....	8.83	
02 83 19 13-0066 LF Demolish Single Metal Hand Rail, Lead Contaminated Material.....	6.49	
02 83 19 13-0067 LF Demolish Metal Railing And Posts, Lead Contaminated Material.....	10.60	
02 83 19 13-0068 SF Demolish Metal Picket Fence, Lead Contaminated Material.....	2.91	
02 83 19 13-0069 SF Demolish Plywood, Lead Contaminated Material.....	7.97	
02 83 19 13-0070 SF Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.89	
02 83 19 13-0071 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	24.34	
02 83 19 13-0072 LF Demolish Metal Guard Rails, Lead Contaminated Material.....	14.60	
<b>02 83 19 13-0073 Wet Sanding/Light Scraping Of Lead Contaminated Material</b> <small>(02 83 19 13)</small>		
Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0074 SF Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.71	
<b>02 83 19 13-0075 Lead Abatement Encapsulation</b> <small>(02 83 19 13)</small>		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0076 SF Balustrades, Lead Abatement Encapsulation.....	6.75	
02 83 19 13-0077 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	4.35	
02 83 19 13-0078 SF Columns, Lead Abatement Encapsulation.....	5.25	
02 83 19 13-0079 SF Picket Fence (Brush), Lead Abatement Encapsulation.....	3.15	
02 83 19 13-0080 SF Wood Floors (Roller), Lead Abatement Encapsulation.....	2.63	
02 83 19 13-0081 SF Grilles, Vents, Lead Abatement Encapsulation.....	7.28	
02 83 19 13-0082 EA Hangers, Lead Abatement Encapsulation.....	57.28	
02 83 19 13-0083 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.10	
02 83 19 13-0084 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.90	
02 83 19 13-0085 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	9.17	

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0086 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation .....	13.55	
02 83 19 13-0087 SF Siding, Lead Abatement Encapsulation .....	3.75	
02 83 19 13-0088 SF Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation .....	4.35	
02 83 19 13-0089 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation .....	5.67	
02 83 19 13-0090 SF Trusses, Lead Abatement Encapsulation .....	5.67	
<b>02 83 33 Removal and Disposal of Material Containing Lead (02 83)</b>		
<b>02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)</b>		
<b>02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)</b>		
02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.31	
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate .....	0.31	
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting .....	1.54	
<b>02 86 Hazardous Waste Drum Handling (02 86)</b>		
<b>02 86 00 00-0001 Hazardous Waste Packaging (02 86)</b>		
<b>02 86 00 00-0002 Overpacks (02 86 00 00-0001)</b>		
<b>02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)</b>		
02 86 00 00-0004 EA 110 Gallon, 30" Diameter X 41" High .....	542.23	
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High.....	308.65	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High.....	297.90	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	186.38	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	146.82	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High.....	98.92	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	89.44	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High.....	78.81	
<b>02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)</b>		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High .....	612.48	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High .....	113.19	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High .....	554.22	
<b>02 86 00 00-0016 Composite Overpacks (02 86 00 00-0002)</b>		
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	300.75	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums .....	412.71	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums .....	559.79	
<b>02 86 00 00-0020 DOT E-9168 Exempt Packaging (02 86 00 00-0002)</b>		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	49.65	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	52.38	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	51.21	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	25.36	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS .....	16.11	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	8.34	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	10.85	
<b>02 86 00 00-0028 Steel Drums (02 86 00 00-0001)</b>		
<b>02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0028)</b>		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum .....	139.63	
02 86 00 00-0031 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49) .....	1,380.00	
02 86 00 00-0032 EA 8 Gallon, 17C, Open, Steel Drum .....	100.98	
02 86 00 00-0033 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24) .....	1,113.58	
02 86 00 00-0034 EA 55 Gallon Reconditioned Steel 17h Drum (50+) .....	98.79	
02 86 00 00-0035 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49) .....	1,092.62	
02 86 00 00-0036 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24) .....	1,598.52	
02 86 00 00-0037 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+) .....	1,308.15	
02 86 00 00-0038 EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum.....	131.97	
02 86 00 00-0039 EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum .....	107.01	
02 86 00 00-0040 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	1,445.85	
02 86 00 00-0041 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49) .....	1,568.59	
02 86 00 00-0042 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+) .....	984.86	
02 86 00 00-0043 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+) .....	1,412.93	
02 86 00 00-0044 EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	84.33	
02 86 00 00-0045 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	1,418.91	
02 86 00 00-0046 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	927.98	
02 86 00 00-0047 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	892.06	
02 86 00 00-0048 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,508.72	
02 86 00 00-0049 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	1,278.22	
02 86 00 00-0050 EA UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum .....	97.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0051 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+).....	1,212.36	
02 86 00 00-0052 EA UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum .....	83.09	
02 86 00 00-0053 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	1,472.80	
02 86 00 00-0054 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	853.14	
02 86 00 00-0055 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	823.21	
02 86 00 00-0056 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	1,445.85	
02 86 00 00-0057 EA 30 Gallon, 17E, Open, Steel Drum .....	60.28	
02 86 00 00-0058 EA 55 Gallon Reconditioned Steel 17h Drum (1-9).....	144.89	
02 86 00 00-0059 EA 20 Gallon, 17C, Open, Steel Drum .....	84.72	
02 86 00 00-0060 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	1,302.17	
02 86 00 00-0061 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9).....	1,559.61	
02 86 00 00-0062 EA 55 Gallon Reconditioned Steel 17h Drum (10-24).....	128.42	
02 86 00 00-0063 EA 55 Gallon Reconditioned Steel 17h Drum (25-49).....	111.96	
02 86 00 00-0064 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9).....	1,140.52	
02 86 00 00-0065 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24).....	1,529.67	
02 86 00 00-0066 EA 20 Gallon, 17E, Open, Steel Drum .....	57.02	
<b>02 86 00 00-0067</b> Plastic Drums <small>(02 86 00 00-0001)</small>		
<b>02 86 00 00-0068</b> Polyethylene Closed Head Drums <small>(02 86 00 00-0067)</small>		
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069 EA 55 Gallon Polyethylene Closed Head Drums.....	87.65	
02 86 00 00-0070 EA 35 Gallon Polyethylene Closed Head Drums.....	67.29	
02 86 00 00-0071 EA 30 Gallon Polyethylene Closed Head Drums.....	61.10	
02 86 00 00-0072 EA 20 Gallon Polyethylene Closed Head Drums.....	42.69	
02 86 00 00-0073 EA 15 Gallon Polyethylene Closed Head Drums.....	41.87	
<b>02 86 00 00-0074</b> Polyethylene Open Head Drums <small>(02 86 00 00-0067)</small>		
Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075 EA 55 Gallon Polyethylene Open Head Drums.....	110.79	
02 86 00 00-0076 EA 35 Gallon Polyethylene Open Head Drums.....	81.46	
02 86 00 00-0077 EA 30 Gallon Polyethylene Open Head Drums.....	77.39	
02 86 00 00-0078 EA 20 Gallon Polyethylene Open Head Drums.....	57.02	
02 86 00 00-0079 EA 15 Gallon Polyethylene Open Head Drums.....	48.88	
<b>02 86 00 00-0080</b> Fiber Drums <small>(02 86 00 00-0001)</small>		
<b>02 86 00 00-0081</b> Steel Top/Fiber Bottom Drums, Hazardous <small>(02 86 00 00-0080)</small>		
Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082 EA 30 Gallon Fiber Drum DOT-21C (1-9).....	67.12	
02 86 00 00-0083 EA 30 Gallon Fiber Drum DOT-21C (10-24).....	62.89	
02 86 00 00-0084 EA 30 Gallon Fiber Drum DOT-21C (25-49).....	57.35	
02 86 00 00-0085 EA 30 Gallon Fiber Drum DOT-21C (50+).....	56.70	
02 86 00 00-0086 EA 55 Gallon Fiber Drum DOT-21C (1-9).....	69.08	
02 86 00 00-0087 EA 55 Gallon Fiber Drum DOT-21C (10-24).....	65.17	
02 86 00 00-0088 EA 55 Gallon Fiber Drum DOT-21C (25-49).....	60.28	
02 86 00 00-0089 EA 55 Gallon Fiber Drum DOT-21C (50-99).....	58.33	
02 86 00 00-0090 EA 55 Gallon Fiber Drum DOT-21C (100+).....	50.51	
02 86 00 00-0091 EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	43.01	
02 86 00 00-0092 EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	46.92	
02 86 00 00-0093 EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	54.74	
<b>02 86 00 00-0094</b> Loading Hazardous Waste For Shipment <small>(02 86 00 00-0001)</small>		
02 86 00 00-0095 EA Load Drums On Disposal Truck.....	12.84	
02 86 00 00-0096 EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck .....	1,338.05	
<b>02 86 00 00-0097</b> Transport Drums To Landfill <small>(02 86 00 00-0001)</small>		
Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098 EA Transport Drum To Landfill .....	104.90	
Note: Includes transportation for up to 25 miles.		

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

**02 87 13 Mold Remediation** (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

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



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
	Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
	Note: Diameter is outer size of insulation.		
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
	Note: Excludes encased fittings.		
02 87 13 33-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	869.48	
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	33.72	
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	25.40	
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.16	
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.47	
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.65	
02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	896.15	
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	40.05	
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	30.48	
02 87 13 33-0014	LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	23.30	
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	17.92	
02 87 13 33-0016	LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	15.82	
02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	882.81	
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	19.56	
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	14.78	
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	11.20	
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	8.68	
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal (02 87 13 33)		
	Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025	Stucco, Mold Abatement And Disposal (02 87 13 33-0024)		
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal .....	875.41	
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal .....	19.42	
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	14.64	
02 87 13 33-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	11.06	
02 87 13 33-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal .....	8.39	
02 87 13 33-0031	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)		
	Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0032	SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	882.81	
02 87 13 33-0033	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	26.79	
02 87 13 33-0034	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	20.23	
02 87 13 33-0035	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	15.29	
02 87 13 33-0036	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal .....	11.58	
02 87 13 33-0037	Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0038	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0037)		
02 87 13 33-0039	SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	890.23	
02 87 13 33-0040	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	7.98	
02 87 13 33-0041	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	5.55	
02 87 13 33-0042	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.74	
02 87 13 33-0043	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.37	
02 87 13 33-0044	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0045	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0044)		
02 87 13 33-0046	SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	896.15	
02 87 13 33-0047	CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal .....	31.54	
02 87 13 33-0048	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal .....	21.62	
02 87 13 33-0049	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal .....	16.66	
02 87 13 33-0050	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal .....	13.69	
02 87 13 33-0051	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	8.28	
02 87 13 33-0052	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	7.63	
02 87 13 33-0053	Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0054	Caulking, Mold Abatement And Disposal (02 87 13 33-0053)		
02 87 13 33-0055	SET Up To 20 LF, Caulking, Mold Abatement And Disposal.....	215.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0056 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal .....	4.32	
02 87 13 33-0057 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal .....	3.09	
02 87 13 33-0058 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal .....	2.35	
02 87 13 33-0059 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal .....	1.74	
02 87 13 33-0060 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal .....	1.40	
02 87 13 33-0061 LF >2,500 LF, Caulking, Mold Abatement And Disposal .....	1.21	

**02 87 13 33-0062 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0053)**

02 87 13 33-0063 CSF Wipe Down Floors With Mild Bleach Solution .....	23.91	
<i>For &gt;25 To 50, Deduct</i>	-2.39	
<i>For &gt;50 To 200, Deduct</i>	-5.98	
<i>For &gt;200, Deduct</i>	-9.56	
02 87 13 33-0064 CSF Wipe Down Walls With Mild Bleach Solution .....	28.13	
<i>For &gt;25 To 50, Deduct</i>	-2.81	
<i>For &gt;50 To 200, Deduct</i>	-7.03	
<i>For &gt;200, Deduct</i>	-11.25	
02 87 13 33-0065 CSF Wipe Down Ceilings With Mild Bleach Solution .....	32.00	
<i>For &gt;25 To 50, Deduct</i>	-3.20	
<i>For &gt;50 To 200, Deduct</i>	-8.00	
<i>For &gt;200, Deduct</i>	-12.80	
02 87 13 33-0066 CSF Wipe Down Countertops With Mild Bleach Solution .....	26.09	
<i>For &gt;25 To 50, Deduct</i>	-2.61	
02 87 13 33-0067 CSF Wipe Down Other Surfaces With Mild Bleach Solution .....	33.11	
<i>For &gt;25 To 50, Deduct</i>	-3.31	
<i>For &gt;50 To 200, Deduct</i>	-8.28	
<i>For &gt;200, Deduct</i>	-13.24	

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

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

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

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

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

02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	860.59	
<i>For Work In Restricted Working Space, Add</i>	258.18	
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	14.34	
<i>For Work In Restricted Working Space, Add</i>	4.30	
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	13.04	
<i>For Work In Restricted Working Space, Add</i>	3.91	
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness .....	11.86	
<i>For Work In Restricted Working Space, Add</i>	3.56	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness .....	10.77	
<i>For Work In Restricted Working Space, Add</i>	3.23	

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

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

Note: Includes removal and disposal after use.

**02 89 00 00-0002 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)**

02 89 00 00-0003 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.52	
02 89 00 00-0004 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.69	
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.92	
02 89 00 00-0006 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.81	
02 89 00 00-0007 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction .....	1.03	
02 89 00 00-0008 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.35	

**02 89 00 00-0009 Decontamination Chambers (02 89)**

Note: Includes cleaning of contaminated materials, removal after use and disposal of plastic barriers. See CSI section 02 89 00 00-0001 for plastic barrier sheets.

02 89 00 00-0010 EA 3 Stage Portable Personnel Decontamination Wash Facility .....	1,122.81	
<i>Note: Includes connection to negative air system.</i>		
02 89 00 00-0011 EA 5 Stage Portable Personnel Decontamination Wash Facility .....	1,324.62	
<i>Note: Includes connection to negative air system.</i>		
02 89 00 00-0012 EA Portable Waste Decontamination Unit .....	695.61	
<i>Note: Includes connection to negative air system.</i>		
<i>For Dismantling And Relocation To A Different Area, Add</i>	459.19	

<b>02</b>	<b>02</b>	<b>Existing Conditions</b>
	<b>02 80</b>	<b>Facility Remediation</b>
	<b>02 89</b>	<b>Hazmat Ancillary Tasks and Support</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 02**



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 10 Information Specialties <sup>(10)</sup>

#### 10 14 Signage <sup>(10 10)</sup>

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise.

##### 10 14 53 Traffic Signage <sup>(10 14)</sup>

##### 10 14 53 11 Traffic Signage <sup>(10 14 53)</sup>

##### 10 14 53 11-0001 Traffic Signs (Monterey County) <sup>(10 14 53 11)</sup>

Note: Excludes posts.

10 14 53 11-0002	EA	Roadside Sign-One Post (Monterey County).....	479.92	29.43
10 14 53 11-0003	EA	Install Roadside Sign Panel On Existing Post (Monterey County).....	215.57	

##### 10 14 53 11-0004 Solar Powered, Aluminum, Polycarbonate, LED Radar Speed Display Sign

<sup>(10 14 53 11)</sup>

Note: Excludes posts.

10 14 53 11-0005	EA	29" x 23" Sign Size, Solar Powered, Aluminum, Polycarbonate, LED Radar Speed Display Sign .....	5,304.61	21.62
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##### 10 14 53 11-0006 Traffic Signs <sup>(10 14 53 11)</sup>

##### 10 14 53 11-0007 ReflectORIZED Stop Signs And Other Traffic Signs <sup>(10 14 53 11-0006)</sup>

Note: Excludes posts.

##### 10 14 53 11-0008 Aluminum Engineer Grade Stop Signs <sup>(10 14 53 11-0007)</sup>

10 14 53 11-0009	EA	18" x 18" Aluminum Engineer Grade Stop Sign.....	88.54	21.62
		<i>For Hi-Intensity Grade, Add</i>	13.59	
		<i>For Diamond Grade, Add</i>	25.83	
10 14 53 11-0010	EA	18" x 24" Aluminum Engineer Grade Stop Sign.....	104.88	22.86
		<i>For Hi-Intensity Grade, Add</i>	17.78	
		<i>For Diamond Grade, Add</i>	33.77	
10 14 53 11-0011	EA	24" x 24" Aluminum Engineer Grade Stop Sign.....	114.26	24.02
		<i>For Hi-Intensity Grade, Add</i>	27.15	
		<i>For Diamond Grade, Add</i>	43.04	
10 14 53 11-0012	EA	30" x 30" Aluminum Engineer Grade Stop Sign.....	135.25	25.26
		<i>For Hi-Intensity Grade, Add</i>	10.18	
		<i>For Diamond Grade, Add</i>	55.13	
10 14 53 11-0013	EA	36" x 36" Aluminum Engineer Grade Stop Sign.....	188.77	26.42
		<i>For Hi-Intensity Grade, Add</i>	29.90	
		<i>For Diamond Grade, Add</i>	93.79	

##### 10 14 53 11-0014 Steel Engineer Grade Stop Signs <sup>(10 14 53 11-0007)</sup>

10 14 53 11-0015	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade .....	139.32	21.62
10 14 53 11-0016	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade .....	176.53	22.86
10 14 53 11-0017	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade .....	187.43	24.02
10 14 53 11-0018	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade .....	272.19	25.26
10 14 53 11-0019	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade .....	348.54	26.42

##### 10 14 53 11-0020 Polyethylene Engineer Grade Stop Signs <sup>(10 14 53 11-0007)</sup>

10 14 53 11-0021	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade.....	142.89	21.62
10 14 53 11-0022	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	185.65	22.86
10 14 53 11-0023	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	205.39	24.02
10 14 53 11-0024	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade.....	273.01	25.26

##### 10 14 53 11-0025 Other ReflectORIZED Traffic Signs <sup>(10 14 53 11-0007)</sup>

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

##### 10 14 53 11-0026 Aluminum Engineer Grade Traffic Signs <sup>(10 14 53 11-0025)</sup>

10 14 53 11-0027	EA	6" x 12" Aluminum Engineer Grade Traffic Sign .....	49.65	19.21
		<i>For Hi-Intensity Grade, Add</i>	3.37	
		<i>For Diamond Grade, Add</i>	6.40	
10 14 53 11-0028	EA	6" x 18" Aluminum Engineer Grade Traffic Sign .....	55.27	19.21
		<i>For Hi-Intensity Grade, Add</i>	5.05	
		<i>For Diamond Grade, Add</i>	9.60	
10 14 53 11-0029	EA	9" x 12" Aluminum Engineer Grade Traffic Sign .....	55.27	19.21
		<i>For Hi-Intensity Grade, Add</i>	5.05	
		<i>For Diamond Grade, Add</i>	9.60	
10 14 53 11-0030	EA	9" x 15" Aluminum Engineer Grade Traffic Sign .....	59.47	19.21
		<i>For Hi-Intensity Grade, Add</i>	6.31	
		<i>For Diamond Grade, Add</i>	11.99	
10 14 53 11-0031	EA	9" x 18" Aluminum Engineer Grade Traffic Sign .....	63.68	19.21
		<i>For Hi-Intensity Grade, Add</i>	7.58	
		<i>For Diamond Grade, Add</i>	14.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0032 EA 9" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	74.50 10.10 19.19	20.41
10 14 53 11-0033 EA 9" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	108.17 20.20 38.38	20.41
10 14 53 11-0034 EA 12" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	60.88 6.74 12.80	19.21
10 14 53 11-0035 EA 12" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	74.50 10.10 19.19	20.41
10 14 53 11-0036 EA 12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	85.73 13.47 25.59	20.41
10 14 53 11-0037 EA 12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	96.95 16.84 31.99	20.41
10 14 53 11-0038 EA 12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	108.17 20.20 38.38	20.41
10 14 53 11-0039 EA 18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	91.34 15.15 28.79	20.41
10 14 53 11-0040 EA 18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	108.17 20.20 38.38	20.41
10 14 53 11-0041 EA 18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	127.41 25.25 47.98	21.62
10 14 53 11-0042 EA 18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	144.25 30.31 57.58	21.62
10 14 53 11-0043 EA 18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	187.53 40.41 76.77	26.42
10 14 53 11-0044 EA 18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	204.36 45.46 86.37	26.42
10 14 53 11-0045 EA 24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	133.02 26.94 51.18	21.62
10 14 53 11-0046 EA 24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	155.47 33.67 63.98	21.62
10 14 53 11-0047 EA 24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	177.92 40.41 76.77	21.62
10 14 53 11-0048 EA 24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	209.97 47.14 89.56	26.42
10 14 53 11-0049 EA 24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	232.42 53.87 102.36	26.42
10 14 53 11-0050 EA 24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	254.87 60.61 115.16	26.42
10 14 53 11-0051 EA 24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	277.32 67.34 127.95	26.42
10 14 53 11-0052 EA 30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	183.53 42.09 79.97	21.62
10 14 53 11-0053 EA 30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	221.20 50.51 95.97	26.42
10 14 53 11-0054 EA 30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	249.26 58.93 111.96	26.42
10 14 53 11-0055 EA 30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	286.92 67.34 127.95	31.22
10 14 53 11-0056 EA 30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	352.64 84.18 159.94	36.03
10 14 53 11-0057 EA 36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	254.87 60.61 115.16	26.42
10 14 53 11-0058 EA 36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	298.14 70.71 134.35	31.22
10 14 53 11-0059 EA 36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	341.41 80.81 153.54	36.03



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0060 EA 36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	375.09 90.92 172.74	36.03
10 14 53 11-0061 EA 36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	418.37 101.02 191.93	40.83
10 14 53 11-0062 EA 36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	500.93 122.90 233.51	45.63
10 14 53 11-0063 EA 36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	528.99 131.32 249.51	45.63
10 14 53 11-0064 EA 36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	711.76 181.83 345.47	52.84
10 14 53 11-0065 EA 42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	347.03 82.50 156.74	36.03
10 14 53 11-0066 EA 48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	440.82 107.75 204.73	40.83
10 14 53 11-0067 EA 48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	495.32 121.22 230.31	45.63
10 14 53 11-0068 EA 48" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	540.22 134.69 255.91	45.63
10 14 53 11-0069 EA 48" x 66" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	599.52 148.16 281.49	52.84
10 14 53 11-0070 EA 48" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	644.42 161.63 307.09	52.84
10 14 53 11-0071 EA 48" x 84" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	743.82 188.56 358.27	57.63
10 14 53 11-0072 EA 48" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	833.61 215.50 409.45	57.63
10 14 53 11-0073 EA 48" x 102" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	878.51 228.97 435.04	57.63
10 14 53 11-0074 EA 48" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	928.20 242.44 460.63	60.03
10 14 53 11-0075 EA 60" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	788.72 202.03 383.86	57.63
10 14 53 11-0076 EA 72" x 144" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,769.94 484.87 921.26	76.85
10 14 53 11-0077 EA 78" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,287.37 350.19 665.36	60.03
<b>10 14 53 11-0078 Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0025)</b>		
10 14 53 11-0079 EA 6" x 12" Reflective Polyethylene Traffic Sign .....	98.32	18.06
10 14 53 11-0080 EA 12" x 12" Reflective Polyethylene Traffic Sign .....	112.76	19.21
10 14 53 11-0081 EA 12" x 18" Reflective Polyethylene Traffic Sign .....	120.84	20.46
10 14 53 11-0082 EA 18" x 18" Reflective Polyethylene Traffic Sign .....	148.17	21.62
10 14 53 11-0083 EA 18" x 24" Reflective Polyethylene Traffic Sign .....	185.65	22.86
10 14 53 11-0084 EA 24" x 24" Reflective Polyethylene Traffic Sign .....	209.99	22.86
<b>10 14 53 11-0085 Non-Reflectorized Traffic Signs (10 14 53 11-0006)</b>		
Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
<b>10 14 53 11-0086 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0085)</b>		
10 14 53 11-0087 EA 6" x 12" Steel Non-Reflectorized Traffic Sign.....	47.47	19.21
10 14 53 11-0088 EA 6" x 18" Steel Non-Reflectorized Traffic Sign.....	51.99	19.21
10 14 53 11-0089 EA 9" x 12" Steel Non-Reflectorized Traffic Sign.....	51.99	19.21
10 14 53 11-0090 EA 9" x 15" Steel Non-Reflectorized Traffic Sign.....	55.38	19.21
10 14 53 11-0091 EA 9" x 18" Steel Non-Reflectorized Traffic Sign.....	58.77	19.21
10 14 53 11-0092 EA 9" x 24" Steel Non-Reflectorized Traffic Sign.....	67.95	20.41
10 14 53 11-0093 EA 9" x 48" Steel Non-Reflectorized Traffic Sign.....	95.06	20.41
10 14 53 11-0094 EA 12" x 12" Steel Non-Reflectorized Traffic Sign.....	56.51	19.21
10 14 53 11-0095 EA 12" x 18" Steel Non-Reflectorized Traffic Sign.....	67.95	20.41
10 14 53 11-0096 EA 12" x 24" Steel Non-Reflectorized Traffic Sign.....	76.99	20.41
10 14 53 11-0097 EA 12" x 30" Steel Non-Reflectorized Traffic Sign.....	86.02	20.41
10 14 53 11-0098 EA 12" x 36" Steel Non-Reflectorized Traffic Sign.....	95.06	20.41
10 14 53 11-0099 EA 18" x 18" Steel Non-Reflectorized Traffic Sign.....	81.50	20.41
10 14 53 11-0100 EA 18" x 24" Steel Non-Reflectorized Traffic Sign.....	95.06	20.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0101 EA 18" x 30" Steel Non-Reflectorized Traffic Sign.....	111.02	21.62
10 14 53 11-0102 EA 18" x 36" Steel Non-Reflectorized Traffic Sign.....	124.58	21.62
10 14 53 11-0103 EA 18" x 48" Steel Non-Reflectorized Traffic Sign.....	161.31	26.42
10 14 53 11-0104 EA 18" x 54" Steel Non-Reflectorized Traffic Sign.....	174.86	26.42
10 14 53 11-0105 EA 24" x 24" Steel Non-Reflectorized Traffic Sign.....	115.54	21.62
10 14 53 11-0106 EA 24" x 30" Steel Non-Reflectorized Traffic Sign.....	133.62	21.62
10 14 53 11-0107 EA 24" x 36" Steel Non-Reflectorized Traffic Sign.....	151.70	21.62
10 14 53 11-0108 EA 24" x 42" Steel Non-Reflectorized Traffic Sign.....	179.38	26.42
10 14 53 11-0109 EA 24" x 48" Steel Non-Reflectorized Traffic Sign.....	197.46	26.42
10 14 53 11-0110 EA 24" x 54" Steel Non-Reflectorized Traffic Sign.....	215.54	26.42
10 14 53 11-0111 EA 24" x 60" Steel Non-Reflectorized Traffic Sign.....	233.62	26.42
10 14 53 11-0112 EA 30" x 30" Steel Non-Reflectorized Traffic Sign.....	156.22	21.62
10 14 53 11-0113 EA 30" x 36" Steel Non-Reflectorized Traffic Sign.....	188.42	26.42
10 14 53 11-0114 EA 30" x 42" Steel Non-Reflectorized Traffic Sign.....	211.02	26.42
10 14 53 11-0115 EA 30" x 48" Steel Non-Reflectorized Traffic Sign.....	243.22	31.22
10 14 53 11-0116 EA 30" x 60" Steel Non-Reflectorized Traffic Sign.....	298.01	36.03
10 14 53 11-0117 EA 36" x 36" Steel Non-Reflectorized Traffic Sign.....	215.54	26.42
10 14 53 11-0118 EA 36" x 42" Steel Non-Reflectorized Traffic Sign.....	252.26	31.22
10 14 53 11-0119 EA 36" x 48" Steel Non-Reflectorized Traffic Sign.....	288.97	36.03
10 14 53 11-0120 EA 36" x 54" Steel Non-Reflectorized Traffic Sign.....	316.09	36.03
10 14 53 11-0121 EA 36" x 60" Steel Non-Reflectorized Traffic Sign.....	352.81	40.83
10 14 53 11-0122 EA 36" x 73" Steel Non-Reflectorized Traffic Sign.....	421.18	45.63
10 14 53 11-0123 EA 36" x 78" Steel Non-Reflectorized Traffic Sign.....	443.77	45.63
10 14 53 11-0124 EA 36" x 108" Steel Non-Reflectorized Traffic Sign.....	593.77	52.84
10 14 53 11-0125 EA 42" x 42" Steel Non-Reflectorized Traffic Sign.....	293.49	36.03
10 14 53 11-0126 EA 48" x 48" Steel Non-Reflectorized Traffic Sign.....	370.89	40.83
10 14 53 11-0127 EA 48" x 54" Steel Non-Reflectorized Traffic Sign.....	416.66	45.63
10 14 53 11-0128 EA 48" x 60" Steel Non-Reflectorized Traffic Sign.....	452.81	45.63
10 14 53 11-0129 EA 48" x 66" Steel Non-Reflectorized Traffic Sign.....	503.38	52.84
10 14 53 11-0130 EA 48" x 72" Steel Non-Reflectorized Traffic Sign.....	539.53	52.84
10 14 53 11-0131 EA 48" x 84" Steel Non-Reflectorized Traffic Sign.....	621.45	57.63
10 14 53 11-0132 EA 48" x 96" Steel Non-Reflectorized Traffic Sign.....	693.76	57.63
10 14 53 11-0133 EA 48" x 102" Steel Non-Reflectorized Traffic Sign.....	729.92	57.63
10 14 53 11-0134 EA 48" x 108" Steel Non-Reflectorized Traffic Sign.....	770.88	60.03
10 14 53 11-0135 EA 60" x 72" Steel Non-Reflectorized Traffic Sign.....	657.61	57.63
10 14 53 11-0136 EA 72" x 144" Steel Non-Reflectorized Traffic Sign.....	1,455.29	76.85
10 14 53 11-0137 EA 78" x 96" Steel Non-Reflectorized Traffic Sign.....	1,060.12	60.03

### 10 14 53 11-0138 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0085)

10 14 53 11-0139 EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign.....	47.84	19.21
10 14 53 11-0140 EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign.....	52.54	19.21
10 14 53 11-0141 EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign.....	52.54	19.21
10 14 53 11-0142 EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign.....	56.07	19.21
10 14 53 11-0143 EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign.....	59.60	19.21
10 14 53 11-0144 EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign.....	69.05	20.41
10 14 53 11-0145 EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign.....	97.27	20.41
10 14 53 11-0146 EA 12" x 12" Aluminum Non-Reflectorized Traffic Sign.....	57.24	19.21
10 14 53 11-0147 EA 12" x 18" Aluminum Non-Reflectorized Traffic Sign.....	69.05	20.41
10 14 53 11-0148 EA 12" x 24" Aluminum Non-Reflectorized Traffic Sign.....	78.46	20.41
10 14 53 11-0149 EA 12" x 30" Aluminum Non-Reflectorized Traffic Sign.....	87.87	20.41
10 14 53 11-0150 EA 12" x 36" Aluminum Non-Reflectorized Traffic Sign.....	97.27	20.41
10 14 53 11-0151 EA 18" x 18" Aluminum Non-Reflectorized Traffic Sign.....	83.16	20.41
10 14 53 11-0152 EA 18" x 24" Aluminum Non-Reflectorized Traffic Sign.....	97.27	20.41
10 14 53 11-0153 EA 18" x 30" Aluminum Non-Reflectorized Traffic Sign.....	113.78	21.62
10 14 53 11-0154 EA 18" x 36" Aluminum Non-Reflectorized Traffic Sign.....	127.89	21.62
10 14 53 11-0155 EA 18" x 48" Aluminum Non-Reflectorized Traffic Sign.....	165.73	26.42
10 14 53 11-0156 EA 18" x 54" Aluminum Non-Reflectorized Traffic Sign.....	179.84	26.42
10 14 53 11-0157 EA 24" x 24" Aluminum Non-Reflectorized Traffic Sign.....	118.49	21.62
10 14 53 11-0158 EA 24" x 30" Aluminum Non-Reflectorized Traffic Sign.....	137.30	21.62
10 14 53 11-0159 EA 24" x 36" Aluminum Non-Reflectorized Traffic Sign.....	156.12	21.62
10 14 53 11-0160 EA 24" x 42" Aluminum Non-Reflectorized Traffic Sign.....	184.54	26.42
10 14 53 11-0161 EA 24" x 48" Aluminum Non-Reflectorized Traffic Sign.....	203.35	26.42
10 14 53 11-0162 EA 24" x 54" Aluminum Non-Reflectorized Traffic Sign.....	222.17	26.42
10 14 53 11-0163 EA 24" x 60" Aluminum Non-Reflectorized Traffic Sign.....	240.98	26.42
10 14 53 11-0164 EA 30" x 30" Aluminum Non-Reflectorized Traffic Sign.....	160.82	21.62
10 14 53 11-0165 EA 30" x 36" Aluminum Non-Reflectorized Traffic Sign.....	193.95	26.42
10 14 53 11-0166 EA 30" x 42" Aluminum Non-Reflectorized Traffic Sign.....	217.47	26.42
10 14 53 11-0167 EA 30" x 48" Aluminum Non-Reflectorized Traffic Sign.....	250.58	31.22
10 14 53 11-0168 EA 30" x 60" Aluminum Non-Reflectorized Traffic Sign.....	307.22	36.03
10 14 53 11-0169 EA 36" x 36" Aluminum Non-Reflectorized Traffic Sign.....	222.17	26.42
10 14 53 11-0170 EA 36" x 42" Aluminum Non-Reflectorized Traffic Sign.....	259.99	31.22
10 14 53 11-0171 EA 36" x 48" Aluminum Non-Reflectorized Traffic Sign.....	297.81	36.03
10 14 53 11-0172 EA 36" x 54" Aluminum Non-Reflectorized Traffic Sign.....	326.03	36.03
10 14 53 11-0173 EA 36" x 60" Aluminum Non-Reflectorized Traffic Sign.....	363.87	40.83
10 14 53 11-0174 EA 36" x 73" Aluminum Non-Reflectorized Traffic Sign.....	434.62	45.63
10 14 53 11-0175 EA 36" x 78" Aluminum Non-Reflectorized Traffic Sign.....	458.14	45.63
10 14 53 11-0176 EA 36" x 108" Aluminum Non-Reflectorized Traffic Sign.....	613.66	52.84
10 14 53 11-0177 EA 42" x 42" Aluminum Non-Reflectorized Traffic Sign.....	302.52	36.03
10 14 53 11-0178 EA 48" x 48" Aluminum Non-Reflectorized Traffic Sign.....	382.68	40.83
10 14 53 11-0179 EA 48" x 54" Aluminum Non-Reflectorized Traffic Sign.....	429.92	45.63



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0180 EA 48" x 60" Aluminum Non-ReflectORIZED Traffic Sign.....	467.55	45.63
10 14 53 11-0181 EA 48" x 66" Aluminum Non-ReflectORIZED Traffic Sign.....	519.59	52.84
10 14 53 11-0182 EA 48" x 72" Aluminum Non-ReflectORIZED Traffic Sign.....	557.21	52.84
10 14 53 11-0183 EA 48" x 84" Aluminum Non-ReflectORIZED Traffic Sign.....	642.08	57.63
10 14 53 11-0184 EA 48" x 96" Aluminum Non-ReflectORIZED Traffic Sign.....	717.34	57.63
10 14 53 11-0185 EA 48" x 102" Aluminum Non-ReflectORIZED Traffic Sign.....	754.97	57.63
10 14 53 11-0186 EA 48" x 108" Aluminum Non-ReflectORIZED Traffic Sign.....	797.40	60.03
10 14 53 11-0187 EA 60" x 72" Aluminum Non-ReflectORIZED Traffic Sign.....	679.71	57.63
10 14 53 11-0188 EA 72" x 144" Aluminum Non-ReflectORIZED Traffic Sign.....	1,508.33	76.85
10 14 53 11-0189 EA 78" x 96" Aluminum Non-ReflectORIZED Traffic Sign.....	1,098.43	60.03
<b>10 14 53 11-0190 Polyethylene Non-ReflectORIZED Traffic Signs (10 14 53 11-0085)</b>		
10 14 53 11-0191 EA 6" x 12" Non-Reflective Polyethylene Traffic Sign .....	80.75	18.06
10 14 53 11-0192 EA 12" x 12" Non-Reflective Polyethylene Traffic Sign .....	88.68	19.21
10 14 53 11-0193 EA 12" x 18" Non-Reflective Polyethylene Traffic Sign .....	95.73	20.46
10 14 53 11-0194 EA 18" x 18" Non-Reflective Polyethylene Traffic Sign .....	130.21	21.62
10 14 53 11-0195 EA 18" x 24" Non-Reflective Polyethylene Traffic Sign .....	139.82	22.86
10 14 53 11-0196 EA 24" x 24" Non-Reflective Polyethylene Traffic Sign .....	164.20	24.02
<b>10 14 53 11-0197 Signs For Overhead Sign Structures (10 14 53 11-0006)</b>		
Note: Including horizontal Z-bars.		
10 14 53 11-0198 SF From 30 To 360 SF Signs For Overhead Sign Structures .....	25.00	
For Over 10' High, Add 13.00		
10 14 53 11-0199 VLF Vertical Sign Hangers For Overhead Sign Structures, Per Hanger .....	32.50	
Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
<b>10 14 53 11-0200 Flashing Beacon (10 14 53 11-0006)</b>		
10 14 53 11-0201 EA 8" Diameter LED Flashing Beacon .....	1,435.88	217.24
Note: Excludes sign and post		
<b>10 14 53 11-0202 Rectangular Rapid Flashing Beacons (RRFB) (10 14 53 11-0006)</b>		
10 14 53 11-0203 EA 2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB) .....	1,749.35	217.24
Note: Includes standard push button, 20 watt solar panel, 12V/22 AH battery, lockable control cabinet. Excludes sign and post		
10 14 53 11-0204 EA 3.5"(h) x 20"(w) x 3"(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back.....	3,695.25	217.24
Note: Includes standard push button, 20 watt solar panel, 12V/22 AH battery, lockable control cabinet. Excludes sign and post		
<b>10 14 53 11-0205 Aluminum Street Signs (10 14 53 11-0006)</b>		
Note: Excludes posts.		
<b>10 14 53 11-0206 Aluminum Engineer Grade Street Signs (10 14 53 11-0205)</b>		
10 14 53 11-0207 EA 6" High, Aluminum Engineer Grade Street Sign .....	112.03	9.61
For Diamond Grade, Add 52.91		
10 14 53 11-0208 EA 8" High, Aluminum Engineer Grade Street Sign .....	128.42	9.61
For Diamond Grade, Add 62.25		
10 14 53 11-0209 EA 9" High, Aluminum Engineer Grade Street Sign .....	140.61	9.61
For Diamond Grade, Add 69.20		
<b>10 14 53 11-0210 Street Sign Accessories (10 14 53 11-0205)</b>		
10 14 53 11-0211 EA Single Bracket And Post Cap For Street Sign .....	31.94	4.80
10 14 53 11-0212 EA Double Bracket And Post Cap For Street Sign .....	31.94	4.80
<b>10 14 53 11-0213 Sign Posts (10 14 53 11-0006)</b>		
Note: Excludes sign.		
<b>10 14 53 11-0214 U-Channel Sign Posts (10 14 53 11-0213)</b>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0215 Baked Enamel U-Channel Sign Posts (10 14 53 11-0214)</b>		
10 14 53 11-0216 EA 3' To 4' Baked Enamel U-Channel Sign Post Base .....	77.98	19.62
10 14 53 11-0217 EA 6' Baked Enamel U-Channel Sign Post .....	103.53	24.53
10 14 53 11-0218 EA 7' Baked Enamel U-Channel Sign Post .....	123.47	29.43
10 14 53 11-0219 EA 8' Baked Enamel U-Channel Sign Post .....	144.69	34.34
10 14 53 11-0220 EA 10' Baked Enamel U-Channel Sign Post .....	174.34	41.70
10 14 53 11-0221 EA 12' Baked Enamel U-Channel Sign Post .....	180.55	41.70
<b>10 14 53 11-0222 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0214)</b>		
10 14 53 11-0223 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	85.96	19.62
10 14 53 11-0224 EA 6' Galvanized Steel U-Channel Sign Post.....	116.20	24.53
10 14 53 11-0225 EA 7' Galvanized Steel U-Channel Sign Post.....	152.13	29.43
10 14 53 11-0226 EA 8' Galvanized Steel U-Channel Sign Post.....	176.38	34.34
10 14 53 11-0227 EA 10' Galvanized Steel U-Channel Sign Post.....	197.40	41.70
10 14 53 11-0228 EA 12' Galvanized Steel U-Channel Sign Post.....	200.61	41.70

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0229			<b>Fiberglass Or Composite Plastic U-Channel Sign Posts</b> (10 14 53 11-0214)		
10 14 53 11-0230	EA		3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	76.10	19.62
10 14 53 11-0231	EA		6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	99.43	24.53
10 14 53 11-0232	EA		7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	118.52	29.43
10 14 53 11-0233	EA		8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	138.80	34.34
10 14 53 11-0234	EA		10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	163.65	41.70
10 14 53 11-0235	EA		12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	174.21	41.70
10 14 53 11-0236			<b>Tubular Sign Posts</b> (10 14 53 11-0213) Note: Excludes digging and concrete.		
10 14 53 11-0237			<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0236)		
10 14 53 11-0238	EA		6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	117.51	24.53
10 14 53 11-0239	EA		7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	139.12	29.43
10 14 53 11-0240	EA		8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	164.76	34.34
10 14 53 11-0241	EA		10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	214.74	41.70
10 14 53 11-0242	EA		12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	236.50	41.70
10 14 53 11-0243			<b>Square Sign Posts</b> (10 14 53 11-0213) Note: Excludes digging and concrete.		
10 14 53 11-0244			<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0243)		
10 14 53 11-0245	EA		3' To 4' Galvanized Steel Square Sign Post Base.....	87.74	19.62
10 14 53 11-0246	EA		6' Galvanized Steel Square Sign Post.....	146.22	24.53
10 14 53 11-0247	EA		7' Galvanized Steel Square Sign Post.....	170.80	29.43
10 14 53 11-0248	EA		8' Galvanized Steel Square Sign Post.....	199.23	34.34
10 14 53 11-0249	EA		10' Galvanized Steel Square Sign Post.....	243.51	41.70
10 14 53 11-0250	EA		12' Galvanized Steel Square Sign Post.....	258.70	41.70
10 14 53 11-0251			<b>Other Sign Posts And Bases</b> (10 14 53 11-0006) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0252			<b>2.5 Lb./FT Breakaway Sign Posts And Base Posts</b> (10 14 53 11-0251)		
10 14 53 11-0253			<b>Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts</b> (10 14 53 11-0252)		
10 14 53 11-0254	EA		Base Post For 2.5 Lb./LF Breakaway Sign Post.....	100.45	24.02
10 14 53 11-0255	EA		Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post.....	62.03	19.21
10 14 53 11-0256			<b>Breakaway Sign Posts, 2.5 Lb./LF</b> (10 14 53 11-0252)		
10 14 53 11-0257	LF		2.5 Lb./LF Breakaway Sign Post.....	12.96	2.40
10 14 53 11-0258			<b>4 Lb./FT Breakaway Sign Posts And Base Posts</b> (10 14 53 11-0251)		
10 14 53 11-0259			<b>Base Posts, 4 Lb./LF, For Breakaway Sign Posts</b> (10 14 53 11-0258)		
10 14 53 11-0260	EA		Base Post For 4 Lb./LF Breakaway Sign Post.....	105.20	28.82
10 14 53 11-0261	EA		Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post.....	62.03	19.21
10 14 53 11-0262			<b>Breakaway Sign Posts, 4 Lb./LF</b> (10 14 53 11-0258)		
10 14 53 11-0263	LF		4 Lb./LF Breakaway Sign Post.....	15.91	2.40
10 14 53 11-0264			<b>Driven Sign Posts</b> (10 14 53 11-0251)		
10 14 53 11-0265			<b>Driven Posts, 2.5 Lb./LF</b> (10 14 53 11-0264)		
10 14 53 11-0266	LF		2.5 Lb./LF Driven Post.....	13.93	3.37
10 14 53 11-0267			<b>Driven Posts, 4 Lb./LF</b> (10 14 53 11-0264)		
10 14 53 11-0268	LF		4 Lb./LF Driven Post.....	17.35	3.84
10 14 53 11-0269			<b>Omni-Directional Breakaway System For Sign Posts And Light Poles</b> (10 14 53 11-0251)		
10 14 53 11-0270			<b>Omni-Directional Breakaway Systems For Signs</b> (10 14 53 11-0269) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0271	EA		Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,508.82	
10 14 53 11-0272	EA		Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,607.64	
10 14 53 11-0273	EA		Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,102.16	
10 14 53 11-0274	EA		Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	965.34	
10 14 53 11-0275	EA		Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,094.56	
10 14 53 11-0276	EA		Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,041.35	
10 14 53 11-0277	EA		Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,128.76	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0278	<b>Omni-Directional Breakaway Systems For Poles</b> <small>(10 14 53 11-0269)</small>	
	Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.	
10 14 53 11-0279	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings.....508.96
10 14 53 11-0280	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings.....533.58
10 14 53 11-0281	EA	Omni-Directional Breakaway System For Poles With 1" Couplings.....554.12
10 14 53 11-0282	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....841.43
10 14 53 11-0283	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....73.88
10 14 53 11-0284	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....98.51
10 14 53 11-0285	<b>Wood Posts</b> <small>(10 14 53 11-0251)</small>	
	Note: The quantity is the total length, including the buried portion.	
10 14 53 11-0286	LF	4" x 4" Pressure Treated Wood Sign Post.....11.22
10 14 53 11-0287	<b>Sign Post Accessories</b> <small>(10 14 53 11-0006)</small>	
10 14 53 11-0288	<b>Sign Post Brackets</b> <small>(10 14 53 11-0287)</small>	
10 14 53 11-0289	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set.....65.21 7.21
	Note: Includes 2 single side signpost brackets	
10 14 53 11-0290	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set.....85.07 12.01
	Note: Includes 2 double side signpost brackets	
10 14 53 11-0291	EA	4" To 12" Diameter, Buckle Bracket Set.....78.04 9.61
	Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	
10 14 53 11-0292	<b>Sign Post Caps</b> <small>(10 14 53 11-0287)</small>	
10 14 53 11-0293	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....28.56 4.80
10 14 53 11-0294	<b>Sign Post Replacement Bolts</b> <small>(10 14 53 11-0287)</small>	
10 14 53 11-0295	EA	Signage Fasteners Replacement.....18.69
	Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	
10 14 53 11-0296	<b>Reflective Panels For "U" Channel Post</b> <small>(10 14 53 11-0287)</small>	
10 14 53 11-0297	EA	3" x 72" Reflective Panel For "U-Channel" Post.....88.83
	Note: Diamond grade panel including mounting hardware.	
10 14 53 11-0298	<b>Removal Of Signs</b> <small>(10 14 53 11)</small>	
	Note: Includes structural supports and foundations.	
10 14 53 11-0299	EA	>4 To 10 SF Sign Area, Sign Removal.....192.12
10 14 53 11-0300	EA	>10 To 20 SF Sign Area, Sign Removal.....461.10
10 14 53 11-0301	EA	>20 To 40 SF Sign Area, Sign Removal.....691.66
10 14 53 11-0302	EA	>40 To 100 SF Sign Area, Sign Removal.....1,197.36
10 14 53 11-0303	<b>Removal And Reinstallation Of Signs</b> <small>(10 14 53 11)</small>	
	Note: Includes structural supports and foundations	
10 14 53 11-0304	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....295.16
10 14 53 11-0305	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....696.62
10 14 53 11-0306	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....1,041.71
10 14 53 11-0307	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....1,799.98
10 14 53 11-0308	EA	Removal And Reinstallation Of Street Sign On Post.....110.47
10 14 53 11-0309	EA	Removal And Relocation Of Traffic Light.....411.25
	Note: Excludes electrical hookup.	

**10 80 Other Specialties** (10)

**10 81 Pest Control Devices** (10 80)

**10 81 13 Bird Control Devices** (10 81)

10 81 13 00-0001	<b>Stainless Steel Spiked Bird Barrier</b> <small>(10 81 13)</small>	
	Note: Stainless steel spikes with flexible polycarbonate base.	
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....11.39 1.15
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....13.74 1.15
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....20.24 1.15
10 81 13 00-0005	<b>Polycarbonate Spiked Bird Barrier</b> <small>(10 81 13)</small>	
	Note: Polycarbonate spikes and base.	
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....10.53 1.15
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....12.75 1.15
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....15.22 1.15

**10 Specialties****10 80 Other Specialties****10 81 Pest Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application .....	12.04	1.15
<b>10 81 13 00-0011 Coil Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel coil.		
10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System .....	8.54	1.15
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System .....	10.08	1.15
<b>10 81 13 00-0014 Spider Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2' Diameter Stainless Steel Spider Bird Deterrent System .....	150.93	1.15
10 81 13 00-0016 EA 4' Diameter Stainless Steel Spider Bird Deterrent System .....	221.69	1.15
10 81 13 00-0017 EA 8' Diameter Stainless Steel Spider Bird Deterrent System .....	278.84	1.15
<b>10 81 13 00-0018 Oriented Flexible Flame-resistant Netting</b> <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting .....	1.15	0.38
Note: To control bird and marine predators.		
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting .....	1.10	0.38
Note: To control bird and marine predators.		
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting .....	1.06	0.38
Note: To control bird and marine predators.		
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting .....	1.02	0.38
Note: To control bird and marine predators.		
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting .....	1.02	0.38
Note: To control bird and marine predators.		
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	0.99	0.38
Note: To control bird and marine predators.		
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting .....	0.96	0.38
Note: To control bird and marine predators.		
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting .....	0.96	0.38
Note: To control bird and marine predators.		
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting .....	0.92	0.38
Note: To control bird and marine predators.		
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting .....	1.04	0.38
Note: To control bird and marine predators.		
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	0.98	0.38
Note: To control bird and marine predators.		
10 81 13 00-0030 EA Poly Clips For Flexible Netting .....	3.35	
<b>10 81 13 00-0031 Netting Accessories</b> <small>(10 81 13)</small>		
10 81 13 00-0032 EA 2' Zipper For Flexible Netting .....	9.64	
10 81 13 00-0033 EA 4' Zipper For Flexible Netting .....	14.52	
10 81 13 00-0034 EA 6' Zipper For Flexible Netting .....	17.09	
10 81 13 00-0035 EA 8' Zipper For Flexible Netting .....	24.29	
<b>10 81 16 Insect Control Devices</b> <small>(10 81)</small>		
<b>10 81 16 00-0001 Insect Screening</b> <small>(10 81 16)</small>		
10 81 16 00-0002 CSF 17/14 Mesh Insect Screening With Flat Screen Splines .....	147.42	

**END OF SECTION 10**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

##### 32 01 11 53 Paint Removal from Paving <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	2.38	
	For Up To 250, Add	1.19	
	For >250 To 1,000, Add	0.60	
	For >5,000 To 10,000, Deduct	-0.36	
	For >10,000 To 25,000, Deduct	-0.60	
	For >25,000 To 50,000, Deduct	-0.83	
	For >50,000, Deduct	-0.95	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	2.86	
	For Up To 250, Add	1.43	
	For >250 To 1,000, Add	0.72	
	For >5,000 To 10,000, Deduct	-0.43	
	For >10,000 To 25,000, Deduct	-0.72	
	For >25,000 To 50,000, Deduct	-1.00	
	For >50,000, Deduct	-1.14	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	3.44	
	For Up To 250, Add	1.72	
	For >250 To 1,000, Add	0.86	
	For >5,000 To 10,000, Deduct	-0.52	
	For >10,000 To 25,000, Deduct	-0.86	
	For >25,000 To 50,000, Deduct	-1.20	
	For >50,000, Deduct	-1.38	
32 01 11 53-0005	LF Removal Of 10" Wide Painted Or Epoxy Pavement Striping .....	3.27	
	For Up To 250, Add	1.64	
	For >250 To 1,000, Add	0.82	
	For >5,000 To 10,000, Deduct	-0.49	
	For >10,000 To 25,000, Deduct	-0.82	
	For >25,000 To 50,000, Deduct	-1.14	
	For >50,000, Deduct	-1.31	
32 01 11 53-0006	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	4.12	
	For Up To 250, Add	2.06	
	For >250 To 1,000, Add	1.03	
	For >5,000 To 10,000, Deduct	-0.62	
	For >10,000 To 25,000, Deduct	-1.03	
	For >25,000 To 50,000, Deduct	-1.44	
	For >50,000, Deduct	-1.65	
32 01 11 53-0007	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	4.12	
	For Up To 250, Add	2.06	
	For >250 To 1,000, Add	1.03	
	For >5,000 To 10,000, Deduct	-0.62	
	For >10,000 To 25,000, Deduct	-1.03	
	For >25,000 To 50,000, Deduct	-1.44	
	For >50,000, Deduct	-1.65	

##### 32 01 11 53-0008 Remove Thermoplastic Pavement Markings <sup>(32 01 11 53)</sup>

32 01 11 53-0009	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	3.07	
	For Up To 250, Add	1.54	
	For >250 To 1,000, Add	0.77	
	For >5,000 To 10,000, Deduct	-0.46	
	For >10,000 To 25,000, Deduct	-0.77	
	For >25,000 To 50,000, Deduct	-1.07	
	For >50,000, Deduct	-1.23	
32 01 11 53-0010	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	3.62	
	For Up To 250, Add	1.81	
	For >250 To 1,000, Add	0.91	
	For >5,000 To 10,000, Deduct	-0.54	
	For >10,000 To 25,000, Deduct	-0.91	
	For >25,000 To 50,000, Deduct	-1.27	
	For >50,000, Deduct	-1.45	
32 01 11 53-0011	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	4.37	
	For Up To 250, Add	2.19	
	For >250 To 1,000, Add	1.09	
	For >5,000 To 10,000, Deduct	-0.66	
	For >10,000 To 25,000, Deduct	-1.09	
	For >25,000 To 50,000, Deduct	-1.53	
	For >50,000, Deduct	-1.75	
32 01 11 53-0012	LF Removal Of 10" Wide Thermoplastic Pavement Striping .....	4.18	
	For Up To 250, Add	2.09	
	For >250 To 1,000, Add	1.05	
	For >5,000 To 10,000, Deduct	-0.63	
	For >10,000 To 25,000, Deduct	-1.05	
	For >25,000 To 50,000, Deduct	-1.46	
	For >50,000, Deduct	-1.67	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 11 Paving Cleaning**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013 LF Removal Of 12" Wide Thermoplastic Pavement Striping.....	5.23	
For Up To 250, Add	2.62	
For >250 To 1,000, Add	1.31	
For >5,000 To 10,000, Deduct	-0.78	
For >10,000 To 25,000, Deduct	-1.31	
For >25,000 To 50,000, Deduct	-1.83	
For >50,000, Deduct	-2.09	
32 01 11 53-0014 SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols.....	5.23	
For Up To 250, Add	2.62	
For >250 To 1,000, Add	1.31	
For >5,000 To 10,000, Deduct	-0.78	
For >10,000 To 25,000, Deduct	-1.31	
For >25,000 To 50,000, Deduct	-1.83	
For >50,000, Deduct	-2.09	

**32 10 Bases, Ballasts, and Paving** <sup>(32)</sup>**32 17 Paving Specialties** <sup>(32 10)</sup>**32 17 13 Parking Bumpers** <sup>(32 17)</sup>

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers** <sup>(32 17 13)</sup>

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	220.92	7.99
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	250.55	7.99

**32 17 13 19 Precast Concrete Parking Bumpers** <sup>(32 17 13)</sup>

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	77.99	24.07
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	89.07	24.07
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	92.72	24.07
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	97.12	24.07
32 17 13 19-0005 EA 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	90.58	24.07
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	114.84	24.07
32 17 13 19-0007 EA 8" x 12" x 8' Precast Concrete Wheel Stop With Dowels.....	125.47	25.99
32 17 13 19-0008 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	38.51	
32 17 13 19-0009 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	25.03	
32 17 13 19-0010 EA 7.625" x 7.625" x 6' Precast Concrete Wheel Stop.....	130.62	24.07
32 17 13 19-0011 EA 7.625" x 7.625" x 8' Precast Concrete Wheel Stop.....	194.19	24.07

**32 17 13 23 Rubber Parking Bumpers** <sup>(32 17 13)</sup>

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	33.92	7.99
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	39.48	7.99
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	41.70	7.99
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	45.04	7.99

**32 17 13 26 Wood Parking Bumpers** <sup>(32 17 13)</sup>

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	10.93	1.92
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	14.15	1.92

**32 17 16 Manufactured Traffic-Calming Devices** <sup>(32 17)</sup>**32 17 16 00-0001 Modular Rubber Speed Tables** <sup>(32 17 16)</sup>

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	73.90	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	64.54	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	60.55	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	70.69	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	62.14	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	58.62	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	67.51	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	60.26	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		



<b>Exterior Improvements</b>		<b>32</b>
<b>Bases, Ballasts, and Paving</b>		<b>32 10</b>
<b>Paving Specialties</b>		<b>32 17</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0010	SF		>30' To 40' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	56.99	
<b>32 17 16 00-0011</b>			<b>Asphalt Speed Table</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF		Up to 36" Run, Asphalt Speed Table With 3" Center Crown..... Note: Tapered on edges to roadway.	40.94	
32 17 16 00-0013	LF		>36" To 48" Run, Asphalt Speed Table With 3" Center Crown..... Note: Tapered on edges to roadway.	48.23	
32 17 16 00-0014	LF		Up to 36" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	51.41	
32 17 16 00-0015	LF		>36" To 48" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	60.61	
32 17 16 00-0016	LF		Up to 36" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	63.16	
32 17 16 00-0017	LF		>36" To 48" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	70.46	
<b>32 17 16 00-0018</b>			<b>Speed Bumps</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF		2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	37.40	2.12
32 17 16 00-0020	LF		2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	33.40	1.41
32 17 16 00-0021	LF		2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	158.11	1.41
<b>32 17 23</b>			<b>Pavement Markings</b> <small>(32 17)</small>		
<b>32 17 23 13</b>			<b>Painted Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 13-0001</b>			<b>Minimum Charge For Pavement Striping</b> <small>(32 17 23 13)</small>		
32 17 23 13-0002	EA		Minimum Charge For Pavement Striping.....	467.01	
<b>32 17 23 13-0003</b>			<b>Painted Pavement Striping, Letters, Symbols And Markers for Roads</b> <small>(32 17 23 13)</small> Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.		
<b>32 17 23 13-0004</b>			<b>Painted Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0003)</small> Note: 15 mil thickness.		
32 17 23 13-0005	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.13 <i>For Up To 5,000 LF, Add</i> 0.13 <i>For &gt;25,000 LF, Deduct</i> -0.09 <i>For Broken Line (25% Solid), Deduct</i> -0.27	0.63	
32 17 23 13-0006	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.20 <i>For Up To 5,000 LF, Add</i> 0.18 <i>For &gt;25,000 LF, Deduct</i> -0.13 <i>For Broken Line (25% Solid), Deduct</i> -0.41	0.88	
32 17 23 13-0007	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.23 <i>For Up To 5,000 LF, Add</i> 0.21 <i>For &gt;25,000 LF, Deduct</i> -0.16 <i>For Broken Line (25% Solid), Deduct</i> -0.48	1.06	
32 17 23 13-0008	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.38 <i>For Up To 5,000 LF, Add</i> 0.32 <i>For &gt;25,000 LF, Deduct</i> -0.24 <i>For Broken Line (25% Solid), Deduct</i> -0.79	1.59	
32 17 23 13-0009	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.25 <i>For Up To 5,000 LF, Add</i> 0.19 <i>For &gt;25,000 LF, Deduct</i> -0.15 <i>For Broken Line On One Side, Deduct</i> -0.26 <i>For Double Broken Line, Deduct</i> -0.53	0.97	
32 17 23 13-0010	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping..... <i>For 20 Mil Thickness, Add</i> 0.37 <i>For Up To 5,000 LF, Add</i> 0.28 <i>For &gt;25,000 LF, Deduct</i> -0.21 <i>For Broken Line On One Side, Deduct</i> -0.40 <i>For Double Broken Line, Deduct</i> -0.80	1.40	
32 17 23 13-0011	SF		Solid Area, Epoxy Reflective Pavement Marking..... Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc. <i>For 20 Mil Thickness, Add</i> 1.01	8.99	
32 17 23 13-0012	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking..... <i>For 20 Mil Thickness, Add</i> 0.51 <i>For &lt;10, Add</i> 0.72 <i>For &gt;50 To 100, Deduct</i> -0.36 <i>For &gt;100 To 200, Deduct</i> -0.48 <i>For &gt;200, Deduct</i> -0.96	5.59	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0013 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	10.11	
For 20 Mil Thickness, Add	1.32	
For <10, Add	1.08	
For >50 To 100, Deduct	-0.54	
For >100 To 200, Deduct	-0.72	
For >200, Deduct	-1.45	
32 17 23 13-0014 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	17.06	
For 20 Mil Thickness, Add	2.28	
For <10, Add	1.80	
For >50 To 100, Deduct	-0.90	
For >100 To 200, Deduct	-1.20	
For >200, Deduct	-2.40	
32 17 23 13-0015 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	32.90	
For 20 Mil Thickness, Add	4.16	
For <10, Add	3.61	
For >50 To 100, Deduct	-1.80	
For >100 To 200, Deduct	-2.40	
For >200, Deduct	-4.81	
32 17 23 13-0016 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	38.47	
For 20 Mil Thickness, Add	5.18	
For <10, Add	4.04	
For >50 To 100, Deduct	-2.02	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-5.39	
32 17 23 13-0017 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	69.00	
For 20 Mil Thickness, Add	9.41	
For <10, Add	7.20	
For >50 To 100, Deduct	-3.60	
For >100 To 200, Deduct	-4.80	
For >200, Deduct	-9.59	
32 17 23 13-0018 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	92.11	
For 20 Mil Thickness, Add	12.45	
For <10, Add	9.66	
For >50 To 100, Deduct	-4.83	
For >100 To 200, Deduct	-6.44	
For >200, Deduct	-12.89	
32 17 23 13-0019 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	141.62	
For 20 Mil Thickness, Add	24.58	
For <10, Add	11.98	
For >50 To 100, Deduct	-5.99	
For >100 To 200, Deduct	-7.98	
For >200, Deduct	-15.97	
32 17 23 13-0020 SF Letter/Number, Epoxy Reflective Pavement Marking.....	9.22	
For 20 Mil Thickness, Add	1.02	
32 17 23 13-0021 SF Symbols, Epoxy Reflective Pavement Marking.....	11.67	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0022 Painted Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0003)</b>		
Note: 15 mil thickness.		
32 17 23 13-0023 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.40	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line (25% Solid), Deduct	-0.10	
32 17 23 13-0024 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.53	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
For Broken Line (25% Solid), Deduct	-0.14	
32 17 23 13-0025 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.65	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
For Broken Line (25% Solid), Deduct	-0.17	
32 17 23 13-0026 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.89	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line (25% Solid), Deduct	-0.26	
32 17 23 13-0027 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.09	
For Double Broken Line, Deduct	-0.18	
32 17 23 13-0028 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.90	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
For Broken Line On One Side, Deduct	-0.14	
For Double Broken Line, Deduct	-0.27	
32 17 23 13-0029 SF Solid Area, Painted Reflective Pavement Striping.....	7.35	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0030 EA 6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	5.31	
Note: Includes solvent based and latex paints.		
For <10, Add	0.72	
For >50 To 100, Deduct	-0.36	
For >100 To 200, Deduct	-0.48	
For >200, Deduct	-0.96	
32 17 23 13-0031 EA 12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	9.10	
Note: Includes solvent based and latex paints.		
For <10, Add	1.08	
For >50 To 100, Deduct	-0.54	
For >100 To 200, Deduct	-0.72	
For >200, Deduct	-1.45	
32 17 23 13-0032 EA 24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	15.30	
Note: Includes solvent based and latex paints.		
For <10, Add	1.80	
For >50 To 100, Deduct	-0.90	
For >100 To 200, Deduct	-1.20	
For >200, Deduct	-2.40	
32 17 23 13-0033 EA 36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	29.80	
Note: Includes solvent based and latex paints.		
For <10, Add	3.61	
For >50 To 100, Deduct	-1.80	
For >100 To 200, Deduct	-2.40	
For >200, Deduct	-4.81	
32 17 23 13-0034 EA 48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	34.45	
Note: Includes solvent based and latex paints.		
For <10, Add	4.04	
For >50 To 100, Deduct	-2.02	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-5.39	
32 17 23 13-0035 EA 72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	61.65	
Note: Includes solvent based and latex paints.		
For <10, Add	7.20	
For >50 To 100, Deduct	-3.60	
For >100 To 200, Deduct	-4.80	
For >200, Deduct	-9.59	
32 17 23 13-0036 EA 96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	82.42	
Note: Includes solvent based and latex paints.		
For <10, Add	9.66	
For >50 To 100, Deduct	-4.83	
For >100 To 200, Deduct	-6.44	
For >200, Deduct	-12.89	
32 17 23 13-0037 EA 120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	120.00	
Note: Includes solvent based and latex paints.		
For <10, Add	11.98	
For >50 To 100, Deduct	-5.99	
For >100 To 200, Deduct	-7.98	
For >200, Deduct	-15.97	
32 17 23 13-0038 SF Letter/Number, Painted Reflective Pavement Marking .....	8.53	
Note: Includes solvent based and latex paints.		
32 17 23 13-0039 SF Symbols, Painted Reflective Pavement Marking .....	10.17	
Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
<b>32 17 23 13-0040 Painted Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 13-0003)</small>		
Note: 40 mil thickness.		
32 17 23 13-0041 LF Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping .....	1.00	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
For 30 mils Thick, Deduct	-0.18	
For 45 mils Thick, Add	0.09	
For Broken Line (25% Solid), Deduct	-0.55	
For Enhanced Wet-Night Visibility, Add	0.06	
32 17 23 13-0042 LF Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping .....	1.39	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.28	
For >25,000 LF, Deduct	-0.21	
For 30 mils Thick, Deduct	-0.27	
For 45 mils Thick, Add	0.13	
For Broken Line (25% Solid), Deduct	-0.80	
For Enhanced Wet-Night Visibility, Add	0.09	
32 17 23 13-0043 LF Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping .....	1.88	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.38	
For >25,000 LF, Deduct	-0.28	
For 30 mils Thick, Deduct	-0.37	
For 45 mils Thick, Add	0.18	
For Broken Line (25% Solid), Deduct	-1.10	
For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0044 LF Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping .....	2.72	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.54	
For >25,000 LF, Deduct	-0.41	
For 30 mils Thick, Deduct	-0.55	
For 45 mils Thick, Add	0.27	
For Broken Line (25% Solid), Deduct	-1.64	
For Enhanced Wet-Night Visibility, Add	0.18	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0045	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping ..... 1.82 Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.36	
			<i>For &gt;25,000 LF, Deduct</i>	-0.27	
			<i>For 30 mils Thick, Deduct</i>	-0.37	
			<i>For 45 mils Thick, Add</i>	0.18	
			<i>For Broken Line On One Side, Deduct</i>	-0.55	
			<i>For Double Broken Line, Deduct</i>	-1.10	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.12	
32 17 23	13-0046	LF	Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping ..... 2.72 Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.54	
			<i>For &gt;25,000 LF, Deduct</i>	-0.41	
			<i>For 30 mils Thick, Deduct</i>	-0.55	
			<i>For 45 mils Thick, Add</i>	0.27	
			<i>For Broken Line On One Side, Deduct</i>	-0.82	
			<i>For Double Broken Line, Deduct</i>	-1.64	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.18	
32 17 23	13-0047	SF	Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 9.18 Note: Includes yellow or white.		
			<i>For 30 mils Thick, Deduct</i>	-0.55	
			<i>For 45 mils Thick, Add</i>	0.27	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.18	
32 17 23	13-0048	EA	6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 6.04		
			<i>For Up To 10, Add</i>	0.72	
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100 To 200, Deduct</i>	-0.48	
			<i>For &gt;200, Deduct</i>	-0.96	
			<i>For 30 mils Thick, Deduct</i>	-0.31	
			<i>For 45 mils Thick, Add</i>	0.16	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.10	
32 17 23	13-0049	EA	12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 11.74		
			<i>For Up To 10, Add</i>	1.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;100 To 200, Deduct</i>	-0.72	
			<i>For &gt;200, Deduct</i>	-1.45	
			<i>For 30 mils Thick, Deduct</i>	-1.13	
			<i>For 45 mils Thick, Add</i>	0.56	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.37	
32 17 23	13-0050	EA	24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 19.91		
			<i>For Up To 10, Add</i>	1.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100 To 200, Deduct</i>	-1.20	
			<i>For &gt;200, Deduct</i>	-2.40	
			<i>For 30 mils Thick, Deduct</i>	-1.97	
			<i>For 45 mils Thick, Add</i>	0.99	
			<i>For Enhanced Wet-Night Visibility, Add</i>	0.65	
32 17 23	13-0051	EA	36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 37.91		
			<i>For Up To 10, Add</i>	3.61	
			<i>For &gt;50 To 100, Deduct</i>	-1.80	
			<i>For &gt;100 To 200, Deduct</i>	-2.40	
			<i>For &gt;200, Deduct</i>	-4.81	
			<i>For 30 mils Thick, Deduct</i>	-3.47	
			<i>For 45 mils Thick, Add</i>	1.73	
			<i>For Enhanced Wet-Night Visibility, Add</i>	1.14	
32 17 23	13-0052	EA	48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 44.99		
			<i>For Up To 10, Add</i>	4.04	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 200, Deduct</i>	-2.70	
			<i>For &gt;200, Deduct</i>	-5.39	
			<i>For 30 mils Thick, Deduct</i>	-4.51	
			<i>For 45 mils Thick, Add</i>	2.25	
			<i>For Enhanced Wet-Night Visibility, Add</i>	1.49	
32 17 23	13-0053	EA	72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 80.90		
			<i>For Up To 10, Add</i>	7.20	
			<i>For &gt;50 To 100, Deduct</i>	-3.60	
			<i>For &gt;100 To 200, Deduct</i>	-4.80	
			<i>For &gt;200, Deduct</i>	-9.59	
			<i>For 30 mils Thick, Deduct</i>	-8.23	
			<i>For 45 mils Thick, Add</i>	4.12	
			<i>For Enhanced Wet-Night Visibility, Add</i>	2.72	
32 17 23	13-0054	EA	96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 107.76		
			<i>For Up To 10, Add</i>	9.66	
			<i>For &gt;50 To 100, Deduct</i>	-4.83	
			<i>For &gt;100 To 200, Deduct</i>	-6.44	
			<i>For &gt;200, Deduct</i>	-12.89	
			<i>For 30 mils Thick, Deduct</i>	-10.83	
			<i>For 45 mils Thick, Add</i>	5.42	
			<i>For Enhanced Wet-Night Visibility, Add</i>	3.57	
32 17 23	13-0055	EA	120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking ..... 176.56		
			<i>For Up To 10, Add</i>	11.98	
			<i>For &gt;50 To 100, Deduct</i>	-5.99	
			<i>For &gt;100 To 200, Deduct</i>	-7.98	
			<i>For &gt;200, Deduct</i>	-15.97	
			<i>For 30 mils Thick, Deduct</i>	-24.18	
			<i>For 45 mils Thick, Add</i>	12.09	
			<i>For Enhanced Wet-Night Visibility, Add</i>	7.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0056 SF Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking.....	10.35	
<i>For 30 mils Thick, Deduct</i>	-0.78	
<i>For 45 mils Thick, Add</i>	0.39	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.26	
32 17 23 13-0057 SF Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking.....	12.80	
<i>Note: Handicap, railroad, diamond, arrows, etc.</i>		
<i>For 30 mils Thick, Deduct</i>	-0.78	
<i>For 45 mils Thick, Add</i>	0.39	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.26	
<b>32 17 23 13-0058 Painted Thermoplastic Reflective Pavement Marking (CALTRANS) (32 17 23 13-0003)</b>		
<i>Note: 40 mil thickness.</i>		
32 17 23 13-0059 LF CALTRANS Detail 1 Centerline, Painted Thermoplastic Reflective Pavement Striping.....	0.42	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0060 LF CALTRANS Detail 2 Centerline, Painted Thermoplastic Reflective Pavement Striping.....	0.61	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0061 LF CALTRANS Detail 5 Centerline, Painted Thermoplastic Reflective Pavement Striping.....	0.40	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0062 LF CALTRANS Detail 6 Centerline, Painted Thermoplastic Reflective Pavement Striping.....	0.59	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0063 LF CALTRANS Detail 8 Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.42	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0064 LF CALTRANS Detail 9 Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.61	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0065 LF CALTRANS Detail 11 Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.40	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0066 LF CALTRANS Detail 12 Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.59	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0067 LF CALTRANS Detail 14A Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.59	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0068 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.94	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
<i>For Broken Line On One Side, Deduct</i>	-0.25	
<i>For Double Broken Line, Deduct</i>	-0.50	
32 17 23 13-0069 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	1.71	
<i>For Up To 5,000 LF, Add</i>	0.34	
<i>For &gt;25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0070 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	0.92	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
<i>For Broken Line On One Side, Deduct</i>	-0.24	
<i>For Double Broken Line, Deduct</i>	-0.49	
32 17 23 13-0071 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	1.49	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For &gt;25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0072 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	1.31	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.20	
<i>For Broken Line On One Side, Deduct</i>	-0.39	
<i>For Double Broken Line, Deduct</i>	-0.78	
32 17 23 13-0073 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping.....	2.08	
<i>For Up To 5,000 LF, Add</i>	0.42	
<i>For &gt;25,000 LF, Deduct</i>	-0.31	
32 17 23 13-0074 LF CALTRANS Detail 24 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.79	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0075 LF CALTRANS Detail 25 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.98	
<i>For Up To 5,000 LF, Add</i>	0.20	
<i>For &gt;25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0076 LF CALTRANS Detail 25A Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	1.17	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For &gt;25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0077 LF CALTRANS Detail 27 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	1.50	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For &gt;25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0078 LF CALTRANS Detail 27B Right Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.79	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0079	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Thermoplastic Reflective Pavement Striping .....	0.37	
			<i>For Up To 5,000 LF, Add</i> .....	0.07	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.06	
32 17 23	13-0080	LF	CALTRANS Detail 28 Median Islands, Painted Thermoplastic Reflective Pavement Striping .....	0.89	
			<i>For Up To 5,000 LF, Add</i> .....	0.18	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.13	
			<i>For Broken Line On One Side, Deduct</i> .....	-0.13	
			<i>For Double Broken Line, Deduct</i> .....	-0.26	
32 17 23	13-0081	LF	CALTRANS Detail 29 Median Islands, Painted Thermoplastic Reflective Pavement Striping .....	3.39	
			<i>For Up To 5,000 LF, Add</i> .....	0.68	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.51	
32 17 23	13-0082	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping .....	1.84	
			<i>For Up To 5,000 LF, Add</i> .....	0.37	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.28	
			<i>For Broken Line On One Side, Deduct</i> .....	-0.49	
			<i>For Double Broken Line, Deduct</i> .....	-0.98	
32 17 23	13-0083	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping .....	2.80	
			<i>For Up To 5,000 LF, Add</i> .....	0.56	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.42	
32 17 23	13-0084	LF	CALTRANS Detail 34 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping .....	1.49	
			<i>For Up To 5,000 LF, Add</i> .....	0.30	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.22	
32 17 23	13-0085	LF	CALTRANS Detail 35 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping .....	1.74	
			<i>For Up To 5,000 LF, Add</i> .....	0.35	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.26	
32 17 23	13-0086	LF	CALTRANS Detail 35A Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping .....	0.94	
			<i>For Up To 5,000 LF, Add</i> .....	0.19	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.14	
32 17 23	13-0087	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Thermoplastic Reflective Pavement Striping .....	3.61	
			<i>For Up To 5,000 LF, Add</i> .....	0.72	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.54	
32 17 23	13-0088	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Thermoplastic Reflective Pavement Striping .....	2.08	
			<i>For Up To 5,000 LF, Add</i> .....	0.42	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.31	
32 17 23	13-0089	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Thermoplastic Reflective Pavement Striping .....	2.59	
			<i>For Up To 5,000 LF, Add</i> .....	0.52	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.39	
32 17 23	13-0090	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Thermoplastic Reflective Pavement Striping .....	1.39	
			<i>For Up To 5,000 LF, Add</i> .....	0.28	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.21	
32 17 23	13-0091	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Thermoplastic Reflective Pavement Striping .....	1.39	
			<i>For Up To 5,000 LF, Add</i> .....	0.28	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.21	
32 17 23	13-0092	LF	CALTRANS Detail 38 Channelizing Line, Painted Thermoplastic Reflective Pavement Striping .....	1.96	
			<i>For Up To 5,000 LF, Add</i> .....	0.39	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.29	
32 17 23	13-0093	LF	CALTRANS Detail 38A Channelizing Line, Painted Thermoplastic Reflective Pavement Striping .....	1.59	
			<i>For Up To 5,000 LF, Add</i> .....	0.32	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.24	
32 17 23	13-0094	LF	CALTRANS Detail 38B Channelizing Line, Painted Thermoplastic Reflective Pavement Striping .....	2.36	
			<i>For Up To 5,000 LF, Add</i> .....	0.47	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.35	
32 17 23	13-0095	LF	CALTRANS Detail 39 Bike Lane Line, Painted Thermoplastic Reflective Pavement Striping .....	1.09	
			<i>For Up To 5,000 LF, Add</i> .....	0.22	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.16	
32 17 23	13-0096	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Thermoplastic Reflective Pavement Striping .....	0.59	
			<i>For Up To 5,000 LF, Add</i> .....	0.12	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.09	
32 17 23	13-0097	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping .....	0.34	
			<i>For Up To 5,000 LF, Add</i> .....	0.07	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.05	
32 17 23	13-0098	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping .....	0.34	
			<i>For Up To 5,000 LF, Add</i> .....	0.07	
			<i>For &gt;25,000 LF, Deduct</i> .....	-0.05	
32 17 23	13-0099	EA	CALTRANS 10' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking .....	151.74	
			<i>For &lt;10, Add</i> .....	17.51	
			<i>For &gt;50 To 100, Deduct</i> .....	-8.75	
			<i>For &gt;100 To 200, Deduct</i> .....	-11.67	
			<i>For &gt;200, Deduct</i> .....	-23.34	
32 17 23	13-0100	EA	CALTRANS 18' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking .....	266.80	
			<i>For &lt;10, Add</i> .....	30.64	
			<i>For &gt;50 To 100, Deduct</i> .....	-15.32	
			<i>For &gt;100 To 200, Deduct</i> .....	-20.43	
			<i>For &gt;200, Deduct</i> .....	-40.85	
32 17 23	13-0101	EA	CALTRANS 24' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking .....	334.31	
			<i>For &lt;10, Add</i> .....	38.52	
			<i>For &gt;50 To 100, Deduct</i> .....	-19.26	
			<i>For &gt;100 To 200, Deduct</i> .....	-25.68	
			<i>For &gt;200, Deduct</i> .....	-51.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0102 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Thermoplastic Reflective Pavement Marking.....	486.06	
For <10, Add	56.03	
For >50 To 100, Deduct	-28.01	
For >100 To 200, Deduct	-37.35	
For >200, Deduct	-74.70	
32 17 23 13-0103 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Thermoplastic Reflective Pavement Marking.....	588.70	
For <10, Add	73.53	
For >50 To 100, Deduct	-36.77	
For >100 To 200, Deduct	-49.02	
For >200, Deduct	-98.04	
32 17 23 13-0104 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Thermoplastic Reflective Pavement Marking.....	449.37	
For <10, Add	51.65	
For >50 To 100, Deduct	-25.82	
For >100 To 200, Deduct	-34.43	
For >200, Deduct	-68.86	
32 17 23 13-0105 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Thermoplastic Reflective Pavement Marking.....	783.70	
For <10, Add	90.17	
For >50 To 100, Deduct	-45.08	
For >100 To 200, Deduct	-60.11	
For >200, Deduct	-120.22	
32 17 23 13-0106 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Thermoplastic Reflective Pavement Marking.....	160.07	
For <10, Add	18.38	
For >50 To 100, Deduct	-9.19	
For >100 To 200, Deduct	-12.26	
For >200, Deduct	-24.51	
32 17 23 13-0107 EA CALTRANS 24' Arrow, Type V, Painted Thermoplastic Reflective Pavement Marking.....	351.00	
For <10, Add	40.27	
For >50 To 100, Deduct	-20.13	
For >100 To 200, Deduct	-26.85	
For >200, Deduct	-53.69	
32 17 23 13-0108 EA CALTRANS 18' Arrow, Type VI, Painted Thermoplastic Reflective Pavement Marking.....	449.37	
For <10, Add	51.65	
For >50 To 100, Deduct	-25.82	
For >100 To 200, Deduct	-34.43	
For >200, Deduct	-68.86	
32 17 23 13-0109 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Thermoplastic Reflective Pavement Marking.....	290.75	
For <10, Add	33.27	
For >50 To 100, Deduct	-16.63	
For >100 To 200, Deduct	-22.18	
For >200, Deduct	-44.35	
32 17 23 13-0110 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Thermoplastic Reflective Pavement Marking.....	381.84	
For <10, Add	43.77	
For >50 To 100, Deduct	-21.88	
For >100 To 200, Deduct	-29.18	
For >200, Deduct	-58.36	
32 17 23 13-0111 EA CALTRANS 5' Arrow, Bike Lane, Painted Thermoplastic Reflective Pavement Marking.....	75.87	
For <10, Add	8.75	
For >50 To 100, Deduct	-4.38	
For >100 To 200, Deduct	-5.84	
For >200, Deduct	-11.67	
32 17 23 13-0112 EA CALTRANS Railroad Crossing Symbol, Painted Thermoplastic Reflective Pavement Marking.....	729.51	
Note: Excludes variable width transverse lines.		
For <10, Add	83.16	
For >50 To 100, Deduct	-41.58	
For >100 To 200, Deduct	-55.44	
For >200, Deduct	-110.88	
32 17 23 13-0113 SF CALTRANS Solid Area, Painted Thermoplastic Reflective Pavement Marking.....	9.62	
32 17 23 13-0114 EA CALTRANS Bike Lane Symbol Without Person, Painted Thermoplastic Reflective Pavement Marking.....	71.71	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.30	
For >50 To 100, Deduct	-3.15	
For >100 To 200, Deduct	-4.20	
For >200, Deduct	-8.40	
32 17 23 13-0115 EA CALTRANS Bike Lane Symbol With Person, Painted Thermoplastic Reflective Pavement Marking.....	75.44	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.65	
For >50 To 100, Deduct	-3.33	
For >100 To 200, Deduct	-4.44	
For >200, Deduct	-8.87	
32 17 23 13-0116 EA CALTRANS Diamond Symbol, Painted Thermoplastic Reflective Pavement Marking.....	120.89	
For <10, Add	14.01	
For >50 To 100, Deduct	-7.00	
For >100 To 200, Deduct	-9.34	
For >200, Deduct	-18.67	
32 17 23 13-0117 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Thermoplastic Reflective Pavement Marking.....	246.61	
For <10, Add	28.36	
For >50 To 100, Deduct	-14.18	
For >100 To 200, Deduct	-18.91	
For >200, Deduct	-37.82	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0118 EA CALTRANS Bike Loop Detector Symbol, Painted Thermoplastic Reflective Pavement Marking .....	49.23	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.65	
For >50 To 100, Deduct	-3.33	
For >100 To 200, Deduct	-4.44	
For >200, Deduct	-8.87	
32 17 23 13-0119 SF CALTRANS Letter/Number, Painted Thermoplastic Reflective Pavement Marking .....	9.73	
32 17 23 13-0120 SF CALTRANS Symbols, Painted Thermoplastic Reflective Pavement Marking .....	10.67	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0121 Painted and/or Raised Reflective Pavement Marking (CALTRANS) (32 17 23 13)</b>		
Note: 20 to 25 mil thickness, per LF of detail for painted.		
32 17 23 13-0122 LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping .....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0123 LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping .....	0.50	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0124 LF CALTRANS Detail 4 Centerline .....	1.14	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0125 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping .....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0126 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping .....	0.51	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0127 LF CALTRANS Detail 7 Centerline .....	0.82	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
32 17 23 13-0128 LF CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping .....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0129 LF CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping .....	0.50	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0130 LF CALTRANS Detail 10 Lanelines .....	1.14	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0131 LF CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping .....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0132 LF CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping .....	0.49	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.07	
32 17 23 13-0133 LF CALTRANS Detail 13 Lanelines .....	0.82	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
32 17 23 13-0134 LF CALTRANS Detail 14 Lanelines .....	0.82	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
32 17 23 13-0135 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping .....	0.49	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.07	
32 17 23 13-0136 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.45	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.07	
For Double Broken Line, Deduct	-0.14	
32 17 23 13-0137 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	1.22	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0138 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines .....	3.29	
For Up To 5,000 LF, Add	0.66	
For >25,000 LF, Deduct	-0.49	
32 17 23 13-0139 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.45	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.07	
For Double Broken Line, Deduct	-0.14	
32 17 23 13-0140 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	1.02	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
32 17 23 13-0141 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines .....	2.77	
For Up To 5,000 LF, Add	0.55	
For >25,000 LF, Deduct	-0.42	
32 17 23 13-0142 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	0.55	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
For Broken Line On One Side, Deduct	-0.11	
For Double Broken Line, Deduct	-0.21	
32 17 23 13-0143 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	1.32	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0144 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	3.90	
<i>For Up To 5,000 LF, Add</i>	0.78	
<i>For &gt;25,000 LF, Deduct</i>	-0.59	
32 17 23 13-0145 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0146 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.60	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0147 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping.....	0.79	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0148 LF CALTRANS Detail 26 Left Edgelines.....	0.19	
<i>For Up To 5,000 LF, Add</i>	0.04	
<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0149 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.74	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0150 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0151 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.30	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0152 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping.....	1.10	
<i>For Up To 5,000 LF, Add</i>	0.22	
<i>For &gt;25,000 LF, Deduct</i>	-0.17	
<i>For Broken Line On One Side, Deduct</i>	-0.21	
<i>For Double Broken Line, Deduct</i>	-0.42	
32 17 23 13-0153 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping.....	1.87	
<i>For Up To 5,000 LF, Add</i>	0.37	
<i>For &gt;25,000 LF, Deduct</i>	-0.28	
32 17 23 13-0154 LF CALTRANS Detail 30 Median Islands.....	7.82	
<i>For Up To 5,000 LF, Add</i>	1.56	
<i>For &gt;25,000 LF, Deduct</i>	-1.17	
32 17 23 13-0155 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.89	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	
<i>For Broken Line On One Side, Deduct</i>	-0.13	
<i>For Double Broken Line, Deduct</i>	-0.26	
32 17 23 13-0156 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	1.85	
<i>For Up To 5,000 LF, Add</i>	0.37	
<i>For &gt;25,000 LF, Deduct</i>	-0.28	
32 17 23 13-0157 LF CALTRANS Detail 33 Two-Way Left Turn Lanes.....	5.36	
<i>For Up To 5,000 LF, Add</i>	1.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.80	
32 17 23 13-0158 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	1.02	
<i>For Up To 5,000 LF, Add</i>	0.20	
<i>For &gt;25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0159 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.45	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0160 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	1.23	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For &gt;25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0161 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.45	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0162 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	2.09	
<i>For Up To 5,000 LF, Add</i>	0.42	
<i>For &gt;25,000 LF, Deduct</i>	-0.31	
32 17 23 13-0163 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	1.32	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.20	
32 17 23 13-0164 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping.....	1.44	
<i>For Up To 5,000 LF, Add</i>	0.29	
<i>For &gt;25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0165 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	1.24	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For &gt;25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0166 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	2.62	
<i>For Up To 5,000 LF, Add</i>	0.52	
<i>For &gt;25,000 LF, Deduct</i>	-0.39	
32 17 23 13-0167 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	1.24	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For &gt;25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0168 LF CALTRANS Detail 37C Lane Drop At Intersections.....	2.62	
<i>For Up To 5,000 LF, Add</i>	0.52	
<i>For &gt;25,000 LF, Deduct</i>	-0.39	
32 17 23 13-0169 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping.....	1.20	
<i>For Up To 5,000 LF, Add</i>	0.24	
<i>For &gt;25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0170 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.83	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0171	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	1.60	
			<i>For Up To 5,000 LF, Add</i>	0.32	
			<i>For &gt;25,000 LF, Deduct</i>	-0.24	
32 17 23	13-0172	LF	CALTRANS Detail 38C Channelizing Line.....	3.90	
			<i>For Up To 5,000 LF, Add</i>	0.78	
			<i>For &gt;25,000 LF, Deduct</i>	-0.59	
32 17 23	13-0173	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping.....	0.52	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23	13-0174	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping.....	0.40	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23	13-0175	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23	13-0176	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	1.89	
			<i>For Up To 5,000 LF, Add</i>	0.38	
			<i>For &gt;25,000 LF, Deduct</i>	-0.28	
32 17 23	13-0177	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23	13-0178	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.89	
			<i>For Up To 5,000 LF, Add</i>	0.38	
			<i>For &gt;25,000 LF, Deduct</i>	-0.28	
32 17 23	13-0179	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking.....	135.75	
			<i>For &lt;10, Add</i>	17.51	
			<i>For &gt;50 To 100, Deduct</i>	-8.75	
			<i>For &gt;100 To 200, Deduct</i>	-11.67	
			<i>For &gt;200, Deduct</i>	-23.34	
32 17 23	13-0180	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking.....	238.24	
			<i>For &lt;10, Add</i>	30.64	
			<i>For &gt;50 To 100, Deduct</i>	-15.32	
			<i>For &gt;100 To 200, Deduct</i>	-20.43	
			<i>For &gt;200, Deduct</i>	-40.85	
32 17 23	13-0181	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking.....	298.91	
			<i>For &lt;10, Add</i>	38.52	
			<i>For &gt;50 To 100, Deduct</i>	-19.26	
			<i>For &gt;100 To 200, Deduct</i>	-25.68	
			<i>For &gt;200, Deduct</i>	-51.35	
32 17 23	13-0182	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	434.67	
			<i>For &lt;10, Add</i>	56.03	
			<i>For &gt;50 To 100, Deduct</i>	-28.01	
			<i>For &gt;100 To 200, Deduct</i>	-37.35	
			<i>For &gt;200, Deduct</i>	-74.70	
32 17 23	13-0183	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	570.42	
			<i>For &lt;10, Add</i>	73.53	
			<i>For &gt;50 To 100, Deduct</i>	-36.77	
			<i>For &gt;100 To 200, Deduct</i>	-49.02	
			<i>For &gt;200, Deduct</i>	-98.04	
32 17 23	13-0184	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	401.40	
			<i>For &lt;10, Add</i>	51.65	
			<i>For &gt;50 To 100, Deduct</i>	-25.82	
			<i>For &gt;100 To 200, Deduct</i>	-34.43	
			<i>For &gt;200, Deduct</i>	-68.86	
32 17 23	13-0185	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	700.33	
			<i>For &lt;10, Add</i>	90.17	
			<i>For &gt;50 To 100, Deduct</i>	-45.08	
			<i>For &gt;100 To 200, Deduct</i>	-60.11	
			<i>For &gt;200, Deduct</i>	-120.22	
32 17 23	13-0186	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking.....	142.94	
			<i>For &lt;10, Add</i>	18.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 200, Deduct</i>	-12.26	
			<i>For &gt;200, Deduct</i>	-24.51	
32 17 23	13-0187	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	313.31	
			<i>For &lt;10, Add</i>	40.27	
			<i>For &gt;50 To 100, Deduct</i>	-20.13	
			<i>For &gt;100 To 200, Deduct</i>	-26.85	
			<i>For &gt;200, Deduct</i>	-53.69	
32 17 23	13-0188	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	401.40	
			<i>For &lt;10, Add</i>	51.65	
			<i>For &gt;50 To 100, Deduct</i>	-25.82	
			<i>For &gt;100 To 200, Deduct</i>	-34.43	
			<i>For &gt;200, Deduct</i>	-68.86	
32 17 23	13-0189	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	258.77	
			<i>For &lt;10, Add</i>	33.27	
			<i>For &gt;50 To 100, Deduct</i>	-16.63	
			<i>For &gt;100 To 200, Deduct</i>	-22.18	
			<i>For &gt;200, Deduct</i>	-44.35	
32 17 23	13-0190	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	340.73	
			<i>For &lt;10, Add</i>	43.77	
			<i>For &gt;50 To 100, Deduct</i>	-21.88	
			<i>For &gt;100 To 200, Deduct</i>	-29.18	
			<i>For &gt;200, Deduct</i>	-58.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0191 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking .....	67.88	
For <10, Add	8.75	
For >50 To 100, Deduct	-4.38	
For >100 To 200, Deduct	-5.84	
For >200, Deduct	-11.67	
32 17 23 13-0192 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking .....	649.56	
Note: Excludes variable width transverse lines.		
For <10, Add	83.16	
For >50 To 100, Deduct	-41.58	
For >100 To 200, Deduct	-55.44	
For >200, Deduct	-110.88	
32 17 23 13-0193 SF CALTRANS Solid Area, Painted Reflective Pavement Marking .....	8.48	
32 17 23 13-0194 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking .....	63.71	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.30	
For >50 To 100, Deduct	-3.15	
For >100 To 200, Deduct	-4.20	
For >200, Deduct	-8.40	
32 17 23 13-0195 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking .....	67.45	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.65	
For >50 To 100, Deduct	-3.33	
For >100 To 200, Deduct	-4.44	
For >200, Deduct	-8.87	
32 17 23 13-0196 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking .....	108.32	
For <10, Add	14.01	
For >50 To 100, Deduct	-7.00	
For >100 To 200, Deduct	-9.34	
For >200, Deduct	-18.67	
32 17 23 13-0197 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking .....	220.35	
For <10, Add	28.36	
For >50 To 100, Deduct	-14.18	
For >100 To 200, Deduct	-18.91	
For >200, Deduct	-37.82	
32 17 23 13-0198 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking .....	46.94	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.65	
For >50 To 100, Deduct	-3.33	
For >100 To 200, Deduct	-4.44	
For >200, Deduct	-8.87	
32 17 23 13-0199 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking .....	8.59	
32 17 23 13-0200 SF CALTRANS Symbols, Painted Reflective Pavement Marking .....	9.53	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0201 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)</b>		
Note: Includes primers. Per Coat.		
<b>32 17 23 13-0202 Painted Pavement Marking For Parking Areas (32 17 23 13-0201)</b>		
Note: 15 mil thickness.		
32 17 23 13-0203 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas .....	1.41	
32 17 23 13-0204 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas .....	1.55	
32 17 23 13-0205 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas .....	1.66	
32 17 23 13-0206 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas .....	1.88	
32 17 23 13-0207 SF Solid Area, Painted Pavement Marking For Parking Areas .....	7.30	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0208 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas .....	5.15	
For Up To 10, Add	0.70	
For >50 To 100, Deduct	-0.35	
For >100 To 200, Deduct	-0.47	
For >200, Deduct	-0.93	
32 17 23 13-0209 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas .....	8.79	
For Up To 10, Add	1.05	
For >50 To 100, Deduct	-0.53	
For >100 To 200, Deduct	-0.70	
For >200, Deduct	-1.40	
32 17 23 13-0210 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas .....	14.81	
For Up To 10, Add	1.75	
For >50 To 100, Deduct	-0.88	
For >100 To 200, Deduct	-1.17	
For >200, Deduct	-2.34	
32 17 23 13-0211 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas .....	27.68	
For Up To 10, Add	3.33	
For >50 To 100, Deduct	-1.66	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-4.43	
32 17 23 13-0212 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas .....	36.68	
For Up To 10, Add	4.55	
For >50 To 100, Deduct	-2.28	
For >100 To 200, Deduct	-3.04	
For >200, Deduct	-6.07	
32 17 23 13-0213 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	44.51	
For Up To 10, Add	5.60	
For >50 To 100, Deduct	-2.80	
For >100 To 200, Deduct	-3.74	
For >200, Deduct	-7.47	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0214 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	59.77	
For Up To 10, Add	7.00	
For >50 To 100, Deduct	-3.50	
For >100 To 200, Deduct	-4.67	
For >200, Deduct	-9.34	
32 17 23 13-0215 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	107.79	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0216 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	123.89	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0217 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	177.87	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0218 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	181.58	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0219 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	238.43	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0220 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas .....	43.52	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	33.05	
For Blue Background With White Symbol And Border, Add	41.32	
32 17 23 13-0221 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas .....	64.53	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	68.50	
For Blue Background With White Symbol And Border, Add	85.63	
<b>32 17 23 13-0222 Painted Curbs</b> (32 17 23 13)		
Note: All colors.		
32 17 23 13-0223 LF Reflective Painted Curb .....	4.36	
32 17 23 13-0224 LF Reflective Painted Curb And Gutter .....	8.38	
32 17 23 13-0225 LF Painted Curb .....	3.55	
32 17 23 13-0226 LF Painted Curb And Gutter .....	7.68	
<b>32 17 23 13-0227 Markings For Outdoor Play Areas, Courts</b> (32 17 23 13)		
32 17 23 13-0228 LF 2" Wide Marking For Outdoor Play Areas .....	1.14	
32 17 23 13-0229 LF 3" Wide Marking For Outdoor Play Areas .....	1.29	
32 17 23 13-0230 LF 4" Wide Marking For Outdoor Play Areas .....	1.46	
32 17 23 13-0231 LF 6" Wide Marking For Outdoor Play Areas .....	1.72	
32 17 23 13-0232 EA Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.) .....	396.65	
<b>32 17 23 23 Raised Pavement Markings</b> (32 17 23)		
<b>32 17 23 23-0001 Raised Pavement Markers (RPMs)</b> (32 17 23 23)		
Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM) .....	8.57	2.93
Note: Type G, H or R		
For >100, Deduct	-0.86	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM) .....	9.11	2.93
Note: Type B, C, D, AC, RA or RR		
For >100, Deduct	-0.91	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM) .....	11.31	2.93
For >100, Deduct	-1.13	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) .....	7.88	2.93
Note: Type A or AY		
For >100, Deduct	-0.79	
<b>32 17 23 23-0006 Snowplowable Pavement Markers</b> (32 17 23 23)		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail .....	85.23	36.19
Note: Type G, H or R		
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail .....	85.70	36.19
Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....	24.94	
32 17 23 23-0010 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....	31.44	
<b>32 17 23 33 Plastic Pavement Markings</b> (32 17 23)		
<b>32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> (32 17 23 33)		
Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.		
<b>32 17 23 33-0002 Thermoplastic Reflective Pavement Marking</b> (32 17 23 33-0001)		
Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	2.06	
For Up To 5,000 LF, Add	0.41	
For >25,000 LF, Deduct	-0.31	
For Enhanced Wet-Night Visibility, Add	0.08	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.38	
For Broken Line (25% Solid), Deduct	-1.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... 3.00 Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	0.60	
<i>For &gt;25,000 LF, Deduct</i>	-0.45	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.12	
<i>For 60 mils Thick, Deduct</i>	-0.45	
<i>For 125 mils Thick, Add</i>	0.58	
<i>For Broken Line (25% Solid), Deduct</i>	-1.92	
32 17 23 33-0005 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... 3.97 Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	0.79	
<i>For &gt;25,000 LF, Deduct</i>	-0.60	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.16	
<i>For 60 mils Thick, Deduct</i>	-0.60	
<i>For 125 mils Thick, Add</i>	0.77	
<i>For Broken Line (25% Solid), Deduct</i>	-2.56	
32 17 23 33-0006 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... 5.84 Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	1.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.88	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.24	
<i>For 60 mils Thick, Deduct</i>	-0.89	
<i>For 125 mils Thick, Add</i>	1.15	
<i>For Broken Line (25% Solid), Deduct</i>	-3.83	
32 17 23 33-0007 LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... 3.95 Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	0.79	
<i>For &gt;25,000 LF, Deduct</i>	-0.59	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.16	
<i>For 60 mils Thick, Deduct</i>	-0.60	
<i>For 125 mils Thick, Add</i>	0.77	
<i>For Broken Line On One Side, Deduct</i>	-1.28	
<i>For Double Broken Line, Deduct</i>	-2.56	
32 17 23 33-0008 LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... 5.84 Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	1.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.88	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.24	
<i>For 60 mils Thick, Deduct</i>	-0.89	
<i>For 125 mils Thick, Add</i>	1.15	
<i>For Broken Line On One Side, Deduct</i>	-1.92	
<i>For Double Broken Line, Deduct</i>	-3.83	
32 17 23 33-0009 SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 12.09 Note: Includes yellow or white.		
<i>For Enhanced Wet-Night Visibility, Add</i>	0.24	
<i>For 60 mils Thick, Deduct</i>	-0.89	
<i>For 125 mils Thick, Add</i>	1.15	
32 17 23 33-0010 EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 7.66 <i>For Up To 10, Add</i>	0.79	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 200, Deduct</i>	-0.53	
<i>For &gt;200, Deduct</i>	-1.05	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.11	
<i>For 60 mils Thick, Deduct</i>	-0.42	
<i>For 125 mils Thick, Add</i>	0.54	
32 17 23 33-0011 EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 16.64 <i>For Up To 10, Add</i>	1.19	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 200, Deduct</i>	-0.79	
<i>For &gt;200, Deduct</i>	-1.59	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.41	
<i>For 60 mils Thick, Deduct</i>	-1.52	
<i>For 125 mils Thick, Add</i>	1.96	
32 17 23 33-0012 EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 28.42 <i>For Up To 10, Add</i>	1.98	
<i>For &gt;50 To 100, Deduct</i>	-0.99	
<i>For &gt;100 To 200, Deduct</i>	-1.32	
<i>For &gt;200, Deduct</i>	-2.64	
<i>For Enhanced Wet-Night Visibility, Add</i>	0.72	
<i>For 60 mils Thick, Deduct</i>	-2.67	
<i>For 125 mils Thick, Add</i>	3.43	
32 17 23 33-0013 EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 53.26 <i>For Up To 10, Add</i>	3.97	
<i>For &gt;50 To 100, Deduct</i>	-1.99	
<i>For &gt;100 To 200, Deduct</i>	-2.65	
<i>For &gt;200, Deduct</i>	-5.30	
<i>For Enhanced Wet-Night Visibility, Add</i>	1.27	
<i>For 60 mils Thick, Deduct</i>	-4.68	
<i>For 125 mils Thick, Add</i>	6.02	
32 17 23 33-0014 EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 64.45 <i>For Up To 10, Add</i>	4.45	
<i>For &gt;50 To 100, Deduct</i>	-2.22	
<i>For &gt;100 To 200, Deduct</i>	-2.97	
<i>For &gt;200, Deduct</i>	-5.93	
<i>For Enhanced Wet-Night Visibility, Add</i>	1.65	
<i>For 60 mils Thick, Deduct</i>	-6.09	
<i>For 125 mils Thick, Add</i>	7.83	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015 EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	116.34	
For Up To 10, Add	7.91	
For >50 To 100, Deduct	-3.96	
For >100 To 200, Deduct	-5.28	
For >200, Deduct	-10.55	
For Enhanced Wet-Night Visibility, Add	3.02	
For 60 mils Thick, Deduct	-11.13	
For 125 mils Thick, Add	14.31	
32 17 23 33-0016 EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	154.50	
For Up To 10, Add	10.63	
For >50 To 100, Deduct	-5.31	
For >100 To 200, Deduct	-7.08	
For >200, Deduct	-14.17	
For Enhanced Wet-Night Visibility, Add	3.97	
For 60 mils Thick, Deduct	-14.64	
For 125 mils Thick, Add	18.82	
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	274.49	
For Up To 10, Add	13.17	
For >50 To 100, Deduct	-6.58	
For >100 To 200, Deduct	-8.78	
For >200, Deduct	-17.55	
For Enhanced Wet-Night Visibility, Add	8.87	
For 60 mils Thick, Deduct	-32.68	
For 125 mils Thick, Add	42.01	
32 17 23 33-0018 SF Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	13.96	
For Enhanced Wet-Night Visibility, Add	0.29	
For 60 mils Thick, Deduct	-1.05	
For 125 mils Thick, Add	1.35	
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	40.62	
Note: Per SY of area.		
For Enhanced Wet-Night Visibility, Add	0.54	
For 60 mils Thick, Deduct	-2.00	
For 125 mils Thick, Add	2.57	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	361.35	
For Enhanced Wet-Night Visibility, Add	6.58	
For 60 mils Thick, Deduct	-24.24	
For 125 mils Thick, Add	31.17	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	1,075.24	
For Enhanced Wet-Night Visibility, Add	20.03	
For 60 mils Thick, Deduct	-73.78	
For 125 mils Thick, Add	94.86	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	237.39	
Note: Approximate overall dimensions: 4' width x 8' height.		
For Enhanced Wet-Night Visibility, Add	9.06	
For 60 mils Thick, Deduct	-33.37	
For 125 mils Thick, Add	42.91	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	172.82	
For Enhanced Wet-Night Visibility, Add	3.15	
For 60 mils Thick, Deduct	-11.60	
For 125 mils Thick, Add	14.91	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	15.70	
Note: Handicap, railroad, diamond, arrows, etc.		
For Enhanced Wet-Night Visibility, Add	0.29	
For 60 mils Thick, Deduct	-1.05	
For 125 mils Thick, Add	1.35	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	219.94	
For Enhanced Wet-Night Visibility, Add	4.01	
For 60 mils Thick, Deduct	-14.76	
For 125 mils Thick, Add	18.97	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	392.77	
For Enhanced Wet-Night Visibility, Add	7.15	
For 60 mils Thick, Deduct	-26.35	
For 125 mils Thick, Add	33.88	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	487.04	
For Enhanced Wet-Night Visibility, Add	8.87	
For 60 mils Thick, Deduct	-32.68	
For 125 mils Thick, Add	42.01	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	706.98	
For Enhanced Wet-Night Visibility, Add	12.87	
For 60 mils Thick, Deduct	-47.43	
For 125 mils Thick, Add	60.98	
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	926.94	
For Enhanced Wet-Night Visibility, Add	16.88	
For 60 mils Thick, Deduct	-62.19	
For 125 mils Thick, Add	79.96	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	659.85	
For Enhanced Wet-Night Visibility, Add	12.02	
For 60 mils Thick, Deduct	-44.27	
For 125 mils Thick, Add	56.92	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	1,146.88	
For Enhanced Wet-Night Visibility, Add	20.89	
For 60 mils Thick, Deduct	-76.95	
For 125 mils Thick, Add	98.93	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	235.67	
For Enhanced Wet-Night Visibility, Add	4.29	
For 60 mils Thick, Deduct	-15.81	
For 125 mils Thick, Add	20.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	518.46	
For Enhanced Wet-Night Visibility, Add	9.44	
For 60 mils Thick, Deduct	-34.78	
For 125 mils Thick, Add	44.72	
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	659.85	
For Enhanced Wet-Night Visibility, Add	12.02	
For 60 mils Thick, Deduct	-44.27	
For 125 mils Thick, Add	56.92	
32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	424.19	
For Enhanced Wet-Night Visibility, Add	7.72	
For 60 mils Thick, Deduct	-28.46	
For 125 mils Thick, Add	36.59	
32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	565.59	
For Enhanced Wet-Night Visibility, Add	10.30	
For 60 mils Thick, Deduct	-37.95	
For 125 mils Thick, Add	48.79	
32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	109.98	
For Enhanced Wet-Night Visibility, Add	2.00	
For 60 mils Thick, Deduct	-7.38	
For 125 mils Thick, Add	9.49	
<b>32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs</b> <small>(32 17 23 33-0001)</small>		
32 17 23 33-0039 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	4.16	
For Enhanced Wet-Night Visibility, Add	0.08	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.38	
32 17 23 33-0040 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	5.37	
For Enhanced Wet-Night Visibility, Add	0.12	
For 60 mils Thick, Deduct	-0.45	
For 125 mils Thick, Add	0.58	
32 17 23 33-0041 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	6.69	
For Enhanced Wet-Night Visibility, Add	0.16	
For 60 mils Thick, Deduct	-0.60	
For 125 mils Thick, Add	0.77	
32 17 23 33-0042 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	9.65	
For Enhanced Wet-Night Visibility, Add	0.24	
For 60 mils Thick, Deduct	-0.89	
For 125 mils Thick, Add	1.15	
32 17 23 33-0043 LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	17.61	
For Enhanced Wet-Night Visibility, Add	0.49	
For 60 mils Thick, Deduct	-1.79	
For 125 mils Thick, Add	2.30	
<b>32 17 23 33-0044 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape</b> <small>(32 17 23 33-0001)</small>		
<small>Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).</small>		
32 17 23 33-0045 LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	4.56	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.91	
For >25,000 LF, Deduct	-0.68	
32 17 23 33-0046 LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	6.78	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	1.36	
For >25,000 LF, Deduct	-1.02	
32 17 23 33-0047 LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	9.01	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	1.80	
For >25,000 LF, Deduct	-1.35	
32 17 23 33-0048 LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	13.41	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	2.68	
For >25,000 LF, Deduct	-2.01	
32 17 23 33-0049 SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape.....	36.11	
Note: Includes yellow or white.		
32 17 23 33-0050 EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	53.84	
For <10, Add	1.44	
For >50 To 100, Deduct	-0.72	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.91	
32 17 23 33-0051 EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	96.40	
For <10, Add	1.82	
For >50 To 100, Deduct	-0.91	
For >100 To 200, Deduct	-1.21	
For >200, Deduct	-2.43	
32 17 23 33-0052 EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	164.71	
For <10, Add	3.61	
For >50 To 100, Deduct	-1.80	
For >100 To 200, Deduct	-2.40	
For >200, Deduct	-4.81	
32 17 23 33-0053 EA 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	234.02	
For <10, Add	7.21	
For >50 To 100, Deduct	-3.61	
For >100 To 200, Deduct	-4.81	
For >200, Deduct	-9.62	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054 EA 48" High, Prefomed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	275.00	
For <10, Add	8.09	
For >50 To 100, Deduct	-4.04	
For >100 To 200, Deduct	-5.39	
For >200, Deduct	-10.79	
32 17 23 33-0055 EA 72" High, Prefomed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	344.43	
For <10, Add	14.39	
For >50 To 100, Deduct	-7.20	
For >100 To 200, Deduct	-9.59	
For >200, Deduct	-19.19	
32 17 23 33-0056 EA 96" High, Prefomed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	437.33	
For <10, Add	19.33	
For >50 To 100, Deduct	-9.66	
For >100 To 200, Deduct	-12.89	
For >200, Deduct	-25.77	
32 17 23 33-0057 EA 120" High, Prefomed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	548.69	
For <10, Add	23.95	
For >50 To 100, Deduct	-11.98	
For >100 To 200, Deduct	-15.97	
For >200, Deduct	-31.93	
32 17 23 33-0058 SF Prefomed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	37.05	
32 17 23 33-0059 SF Prefomed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	38.79	
Note: Handicap, railroad, diamond symbol, etc.		
<b>32 17 23 33-0060 Prefomed, Thermoplastic Reflective Pavement Marking Tape</b> <small>(32 17 23 33-0001)</small>		
Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061 EA Prefomed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	526.28	
Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0062 EA Prefomed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	1,397.14	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0063 EA Prefomed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	272.68	
Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0064 EA 6' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	227.71	
Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0065 EA 9-1/2' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	452.75	
Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0066 EA 4' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	265.95	
Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0067 EA 8' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	505.50	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0068 EA Prefomed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	872.08	
Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0069 EA Prefomed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,319.47	
Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0070 EA Prefomed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	464.18	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0071 EA Prefomed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	516.93	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0072 EA Prefomed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	963.84	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0073 EA Prefomed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	884.93	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0074 EA Prefomed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	888.42	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0075 EA Prefomed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,229.54	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
<b>32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b>		
<small>(32 17 23 33)</small>		
<b>32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas</b> <small>(32 17 23 33-0076)</small>		
Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	176.87	
Note: White or blue symbol. Excludes striping.		
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	677.91	
32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	381.26	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	458.83	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	481.02	
<b>32 17 26 Tactile Warning Surfaces</b> <small>(32 17)</small>		
<b>32 17 26 00-0001 Vitrifed Polymer Composite (VPC); (Armor Tile)</b> <small>(32 17 26)</small>		
Note: Truncated dome, raised strips or directional bars. All colors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface.....	74.58	11.61
Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface.....	59.49	11.61
Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004 EA 30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset.....	436.38	
32 17 26 00-0005 LF 24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	106.56	23.21

**32 17 26 00-0006 Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SateyStep TD)** (32 17 26)

Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	88.46	11.61
Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.		
32 17 26 00-0008 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	78.01	11.61
Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.		

**32 18 Athletic and Recreational Surfacing** (32 18)

**32 18 16 Synthetic Resilient Surfacing** (32 18)

**32 18 16 13 Playground Protective Surfacing** (32 18 16)

**32 18 16 13-0001 Tile Playground Surface Material** (32 18 16 13)

Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	26.73	2.66
For Manufacturer's Standard Colors, Add	1.69	
For Interlocking Tiles, Add	3.75	
For Mechanically Fastened, Add	1.99	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile Playground Surfacing.....	27.23	2.82
For Manufacturer's Standard Colors, Add	1.69	
For Interlocking Tiles, Add	3.75	
For Mechanically Fastened, Add	2.09	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	28.23	3.15
For Manufacturer's Standard Colors, Add	1.69	
For Interlocking Tiles, Add	3.75	
For Mechanically Fastened, Add	2.29	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	29.23	3.49
For Manufacturer's Standard Colors, Add	1.69	
For Interlocking Tiles, Add	3.75	
For Mechanically Fastened, Add	2.49	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	32.66	3.82
For Manufacturer's Standard Colors, Add	1.27	
For Interlocking Tiles, Add	4.24	
For Mechanically Fastened, Add	2.69	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile Playground Surfacing.....	33.76	4.18
For Manufacturer's Standard Colors, Add	1.27	
For Interlocking Tiles, Add	4.24	
For Mechanically Fastened, Add	2.91	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	34.90	4.56
For Manufacturer's Standard Colors, Add	1.27	
For Interlocking Tiles, Add	4.24	
For Mechanically Fastened, Add	3.14	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	38.40	4.88
For Manufacturer's Standard Colors, Add	0.71	
For Interlocking Tiles, Add	4.73	
For Mechanically Fastened, Add	3.35	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	39.40	5.28
For Manufacturer's Standard Colors, Add	0.71	
For Interlocking Tiles, Add	4.73	
For Mechanically Fastened, Add	3.55	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile Playground Surfacing.....	40.49	5.58
For Manufacturer's Standard Colors, Add	0.71	
For Interlocking Tiles, Add	4.73	
For Mechanically Fastened, Add	3.77	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	46.67	6.28
For Manufacturer's Standard Colors, Add	0.69	
For Interlocking Tiles, Add	5.55	
For Mechanically Fastened, Add	4.19	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 18 16 13-0013 Loose Laid Playground Surface Material</b> <small>(32 18 16 13)</small>		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Playground Surfacing .....	1.89	0.40
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Playground Surfacing .....	2.52	0.50
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Playground Surfacing .....	3.22	0.60
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Playground Surfacing .....	4.54	0.90
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	2.84	0.40
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	3.51	0.50
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	5.39	0.60
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	6.73	0.90
32 18 16 13-0022 SF 8" FIBAR System Playground Surfacing .....	11.41	1.50
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System Playground Surfacing .....	14.55	2.00
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024 Poured In Place Playground Surfacing</b> <small>(32 18 16 13)</small>		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	21.18	3.08
For Up To 2,000, Add	4.19	
For >2,000 To 3,000, Add	2.96	
For >3,000 To 4,000, Add	2.01	
For >4,000 To 5,000, Add	1.29	
For >5,000 To 7,000, Add	0.54	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0026 SF 2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	21.85	3.43
For Up To 2,000, Add	4.32	
For >2,000 To 3,000, Add	3.05	
For >3,000 To 4,000, Add	2.08	
For >4,000 To 5,000, Add	1.33	
For >5,000 To 7,000, Add	0.55	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0027 SF 2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	23.58	3.91
For Up To 2,000, Add	4.66	
For >2,000 To 3,000, Add	3.29	
For >3,000 To 4,000, Add	2.24	
For >4,000 To 5,000, Add	1.43	
For >5,000 To 7,000, Add	0.60	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0028 SF 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	25.47	4.16
For Up To 2,000, Add	5.04	
For >2,000 To 3,000, Add	3.55	
For >3,000 To 4,000, Add	2.42	
For >4,000 To 5,000, Add	1.55	
For >5,000 To 7,000, Add	0.64	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0029 SF 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	27.35	4.38
For Up To 2,000, Add	5.41	
For >2,000 To 3,000, Add	3.81	
For >3,000 To 4,000, Add	2.60	
For >4,000 To 5,000, Add	1.66	
For >5,000 To 7,000, Add	0.69	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0030 SF 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	28.95	4.63
For Up To 2,000, Add	5.72	
For >2,000 To 3,000, Add	4.04	
For >3,000 To 4,000, Add	2.75	
For >4,000 To 5,000, Add	1.76	
For >5,000 To 7,000, Add	0.73	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0031 SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	30.84	4.89
For Up To 2,000, Add	6.10	
For >2,000 To 3,000, Add	4.30	
For >3,000 To 4,000, Add	2.93	
For >4,000 To 5,000, Add	1.87	
For >5,000 To 7,000, Add	0.78	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0032 SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	34.60	5.48
For Up To 2,000, Add	6.84	
For >2,000 To 3,000, Add	4.82	
For >3,000 To 4,000, Add	3.29	
For >4,000 To 5,000, Add	2.10	
For >5,000 To 7,000, Add	0.88	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		<b>Athletic and Recreational Surfacing</b>	<b>32 18</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0033 SF 1/2" Top Only, Poured In Place Playground Surfacing .....	13.83	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	4.11	
For >2,000 To 3,000, Add	2.66	
For >3,000 To 4,000, Add	1.63	
For >4,000 To 5,000, Add	0.98	
For >5,000 To 7,000, Add	0.44	
For Aliphatic (Non-Yellowing) Binder, Add	4.52	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.63	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing .....	3,038.22	
<b>32 18 16 13-0035 Synthetic Playground Turf (Sporturf) (32 18 16 13)</b>		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	11.13	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906) .....	9.79	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf) .....	6.32	
32 18 16 13-0039 CF Sand/Rubber Infill (Sporturf) .....	59.41	
<b>32 18 23 Athletic Surfacing (32 18)</b>		
<b>32 18 23 13 Baseball Field Surfacing (32 18 23)</b>		
<b>32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)</b>		
32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag) .....	12.76	
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag) .....	12.76	
32 18 23 13-0004 CY Playing Field Maintenance Of Clay .....	115.68	
32 18 23 13-0005 TON Professional Softball/Baseball Infield Mix (Diamond-Tex Professional) .....	126.50	
<b>32 18 23 23 Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)</b>		
32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration).....	171.67	
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand .....	16.32	
32 18 23 23-0004 BAG Envirofill, 50 Lb. Bag .....	128.39	
<b>32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)</b>		
<b>32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)</b>		
Note: Includes labor, equipment and material required to install the task.		
<b>32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)</b>		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) .....	8.76	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	28,996.35	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	23,634.76	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	7,112.31	
Note: Per sport.		
32 18 23 29-0009 EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields .....	2,626.08	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields .....	2,516.66	
Note: Per end zone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	21,884.04	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	31,731.86	
Note: Graphic.		
<b>32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)</b>		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) .....	10.09	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	29,543.63	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	24,510.27	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	7,659.46	
		Note: Per sport.		
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,844.94	
		Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,626.10	
		Note: Per end zone.		
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	22,978.38	
		Note: Block letter.		
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	33,318.65	
		Note: Graphic.		
<b>32 18 23 29-0022</b>		<b>45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small></b>		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	10.28	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	30,090.74	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	26,479.85	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	8,206.56	
		Note: Per sport.		
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,063.78	
		Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,735.52	
		Note: Per end zone.		
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	24,072.59	
		Note: Block letter.		
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	34,905.25	
		Note: Graphic.		
<b>32 18 23 29-0031</b>		<b>Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small></b>		
<b>32 18 23 29-0032</b>		<b>52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small></b>		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....	11.52	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	31,184.76	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	33,263.74	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	9,300.72	
		Note: Per sport.		
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	3,501.45	
		Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	2,954.35	
		Note: Per end zone.		
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	26,260.85	
		Note: Block letter.		
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	38,078.23	
		Note: Graphic.		
<b>32 18 23 29-0041</b>		<b>60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small></b>		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60).....	11.92	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	31,731.86	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	36,984.03	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	9,847.82	
		Note: Per sport.		
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	3,720.29	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	3,063.77	
		Note: Per end zone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	27,355.05	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	39,664.82	
		Note: Graphic.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 18 23 29-0050</b> <b>52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52)</b> <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051    SF    52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) .....	11.93	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052    EA    Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	32,278.96	
32 18 23 29-0053    EA    Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	37,202.87	
32 18 23 29-0054    EA    Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	10,394.92	
Note: Per sport.		
32 18 23 29-0055    EA    End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields .....	3,939.13	
Note: Per letter. Excludes outline.		
32 18 23 29-0056    EA    Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields .....	3,173.19	
Note: Per end zone.		
32 18 23 29-0057    EA    Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields .....	28,449.25	
Note: Block letter.		
32 18 23 29-0058    EA    Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields .....	41,251.42	
Note: Graphic.		
 <b>32 18 23 29-0059</b> <b>60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60)</b> <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060    SF    60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60) .....	12.16	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061    EA    Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	32,826.06	
32 18 23 29-0062    EA    Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	39,610.11	
32 18 23 29-0063    EA    Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	10,942.02	
Note: Per sport.		
32 18 23 29-0064    EA    End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields .....	4,376.81	
Note: Per letter. Excludes outline.		
32 18 23 29-0065    EA    Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields .....	3,282.61	
Note: Per end zone.		
32 18 23 29-0066    EA    Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields .....	29,543.45	
Note: Block letter.		
32 18 23 29-0067    EA    Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields .....	42,838.01	
Note: Graphic.		
 <b>32 18 23 29-0068</b> <b>Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)</b> <small>(32 18 23 29-0002)</small>		
<b>32 18 23 29-0069</b> <b>38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)</b> <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070    SF    38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) .....	9.68	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071    EA    Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	27,902.32	
32 18 23 29-0072    EA    Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	20,571.12	
32 18 23 29-0073    EA    Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	6,018.15	
Note: Per sport.		
32 18 23 29-0074    EA    End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields .....	2,188.42	
Note: Per letter. Excludes outline.		
32 18 23 29-0075    EA    Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields .....	2,297.84	
Note: Per end zone.		
32 18 23 29-0076    EA    Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields .....	19,695.75	
Note: Block letter.		
32 18 23 29-0077    EA    Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields .....	28,558.84	
Note: Graphic.		
 <b>32 18 23 29-0078</b> <b>42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)</b> <small>(32 18 23 29-0068)</small>		
32 18 23 29-0079    SF    42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) .....	8.50	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080    EA    Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	28,449.25	
32 18 23 29-0081    EA    Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	21,884.04	
32 18 23 29-0082    EA    Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	6,565.21	
Note: Per sport.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0083 EA End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields ..... Note: Per letter. Excludes outline.	2,407.24	
32 18 23 29-0084 EA Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per end zone.	2,407.24	
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Block letter.	20,789.84	
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Graphic.	30,145.27	
<b>32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)</b>		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	19.18	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	17.17	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields .....	53,991.73	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields .....	64,144.02	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields .....	15,689.91	
Note: Per sport.		
32 18 23 29-0093 EA End Zone Lettering For AstroTurf® PureGrass® Fields .....	5,999.08	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored End Zone For AstroTurf® PureGrass® Fields.....	4,452.93	
Note: Per end zone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	40,076.34	
Note: Block letter.		
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields.....	58,837.14	
Note: Graphic.		
<b>32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)</b>		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) .....	10.55	
Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.95	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) .....	10.45	
Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.94	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	10.92	
Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf.....	74,661.11	
Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf .....	32,353.15	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf .....	32,353.15	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf .....	32,353.15	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	32,353.15	
32 18 23 29-0106 EA End Zone Lettering For G9 Synthetic Turf .....	3,733.06	
Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....	3.50	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	9.13	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	2.60	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	1.31	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	2.16	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf .....	2,488.70	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf .....	24,887.04	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf.....	0.82	
Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
For >10,000 To 30,000, Deduct	-0.33	
For >30,000 To 60,000, Deduct	-0.57	
For >60,000, Deduct	-0.63	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	5.58	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill.....	6.20	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf .....	5.08	
Note: Used for drainage over asphalt or on rooftops.		
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf .....	3.12	
Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....	4,959.80	
Note: Includes field inspection and report.		
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf .....	13.64	
Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....	5.46	
32 18 23 29-0122 SF Removal And Recycling Of Existing Field.....	3.84	
Note: Includes removal, shipping and recycling of infill, fibers and backing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 18 23 33     Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 33-0001     Running Track Surfacing</b> <small>(32 18 23 33)</small>		
32 18 23 33-0002    SY    2-1/2" Asphaltic Concrete Running Track Surfacing .....	34.45	
<b>32 18 23 33-0003     Running Track Seal And Colored Surfaces</b> <small>(32 18 23 33)</small>		
32 18 23 33-0004    SY    1 Seal Coat, Striping Of Track .....	22.16	
Note: Includes certification.		
<b>32 18 23 39     Synthetic Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 39-0001     Synthetic Running Track Surfacing And Striping</b> <small>(32 18 23 39)</small>		
Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002    SY    Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing .....	88.01	7.85
For >5,500, Deduct	-6.87	
For Up To 4,000, Add	21.85	
32 18 23 39-0003    SY    Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing .....	110.47	7.85
For >5,500, Deduct	-9.21	
For Up To 4,000, Add	29.32	
For Custom Color Upgrade, Add	7.96	
For Aliphatic Top Coating, Add	15.08	
32 18 23 39-0004    SY    Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing .....	180.81	7.85
For >5,500, Deduct	-8.45	
For Up To 4,000, Add	49.27	
For Custom Color Upgrade, Add	10.84	
For Aliphatic Top Coating, Add	20.13	
32 18 23 39-0005    SY    Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing .....	234.98	7.85
For >5,500, Deduct	-10.91	
For Up To 4,000, Add	63.65	
For Custom Color Upgrade, Add	14.18	
For Aliphatic Top Coating, Add	20.73	
32 18 23 39-0006    SY    Latex Binder, Synthetic Running Track Surfacing .....	80.00	
For >5,500, Deduct	-11.60	
For Up To 4,000, Add	28.00	
32 18 23 39-0007    SY    Spray Retop Running Tracks .....	70.27	
For Up To 4,000, Add	24.59	
For >5,500, Deduct	-6.87	
32 18 23 39-0008    SY    Sandwich Retop Running Tracks .....	136.01	
For Up To 4,000, Add	47.60	
For >5,500, Deduct	-14.34	
<b>32 18 23 53     Tennis Court Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 53-0001     Tennis Court Surfacing</b> <small>(32 18 23 53)</small>		
See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002    SY    Tennis Court Bituminous Pavement, 2-1/2" Thick .....	33.95	
<b>32 18 23 53-0003     Tennis Court Markings</b> <small>(32 18 23 53)</small>		
32 18 23 53-0004    EA    Paint Markings On Asphalt Tennis Court 2 Coats .....	664.89	
<b>32 18 23 56     Natural Tennis Court Surfacing</b> <small>(32 18 23)</small>		
32 18 23 56-0001    SY    Clay Tennis Court .....	46.24	
32 18 23 56-0002    SY    Tennis Court, Pulverized Natural Greenstone, Fast Dry .....	51.33	
Note: Includes 4" base.		
32 18 23 56-0003    SY    Tennis Court, Rubber-Cork Base Resilient Pavement .....	23.03	
32 18 23 56-0004    SY    Resurface Clay Tennis Court .....	13.87	
32 18 23 56-0005    SY    Resurface Tennis Court, Pulverized Natural Greenstone .....	11.87	
32 18 23 56-0006    SY    Resurface Tennis Court, Resilient Pavement .....	9.67	
<b>32 18 23 61     Multi-Use, Tennis Court, Basketball Court Athletic Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 61-0001     100% Acrylic Athletic Surfacing System (Plexipave®)</b> <small>(32 18 23 61)</small>		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
<b>32 18 23 61-0002     Surface Preparation For Athletic Surfacing System (Plexipave®)</b> <small>(32 18 23 61-0001)</small>		
32 18 23 61-0003    SY    100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat .....	1.65	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.82	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.12	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	93.84	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
<b>32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)</b>		
Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	3.37	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	1.21	
For US Open Blue, Add	1.87	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	2.76	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.87	
For US Open Blue, Add	1.34	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.41	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.67	
For US Open Blue, Add	1.04	
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.40	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.81	
For US Open Or Australian Open Blue, Add	1.32	
For Pro Purple, Add	2.28	
<b>32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)</b>		
32 18 23 61-0013 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.63	
Note: Textured or non-textured highly reflective line marking paint.		
<b>32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)</b>		
32 18 23 61-0015 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	5.12	
Note: Applied with rubber squeegee.		
32 18 23 61-0016 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	6.94	
Note: Applied with rubber squeegee.		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	5.99	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	4.52	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	3.47	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
<b>32 18 23 61-0020 Resurface Athletic Court (32 18 23 61)</b>		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021 SY Court Resurfacing System, 2 Coats Resurfer, 2 Coats Color, And Sand (SealMaster).....	2.88	

**END OF SECTION 32**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 50 Custom Standards And Assemblies

### 50 89 CALTRANS Custom Standards And Assemblies <sup>(50)</sup>

Note: Use as directed by owner only.

#### 50 89 80 CALTRANS Construction Performance Requirements <sup>(50 89)</sup>

Note: Refer to [www.dot.ca.gov](http://www.dot.ca.gov) for CALTRANS Standard Plans and Specifications

#### 50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS <sup>(50 89 80)</sup>

##### 50 89 81 01 PAYMENT <sup>(50 89 81)</sup>

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRANS Standard. See CSI section 01 22 16 00-0003 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speciality equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0043 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION .....	0.00
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Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.

#### 50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION <sup>(50 89 80)</sup>

##### 50 89 82 12 TEMPORARY TRAFFIC CONTROL <sup>(50 89 82)</sup>

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard. See CSI section 01 55 26 00-0166 for nightly relocating and set-up as required.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN .....	1,475.55
		Note: Month	
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE .....	47.28
		Note: Month	
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE .....	13.37
		Note: Month	
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE .....	91.65
		Note: Month	
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE) .....	82.65
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT) .....	3.76
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE) .....	5.62
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE) .....	13.94
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT) .....	0.82
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED) .....	33.40
		Note: Month	
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE) .....	73.90
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR .....	26.23
		Note: Month	
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS .....	39.91
		Note: Month	
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE) .....	48.52
		Note: Month	
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER .....	3.73
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA) .....	3,067.71
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE .....	735.49

##### 50 89 82 13 WATER POLLUTION CONTROL <sup>(50 89 82)</sup>

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN .....	568.50
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY .....	518.17
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT .....	2,256.00
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET .....	7.01
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL) .....	993.18
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH .....	5.61
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH .....	1.02
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX) .....	0.49
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER) .....	14.56
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW .....	0.36
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED .....	1.02
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER .....	0.62
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER .....	8.63
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION .....	85.74
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL .....	8.81
		Note: 12" Diameter, Type 1	
		For >1,000 To 10,000, Deduct	-1.01
		For >10,000, Deduct	-1.71
		For 9" Diameter, Deduct	-0.98
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL .....	6.86
		Note: 12" Diameter, Type 2	
		For >1,000 To 10,000, Deduct	-0.72
		For >10,000, Deduct	-1.22
		For 9" Diameter, Deduct	-0.98
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM .....	15.21
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE .....	10.80
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE .....	3.03

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 82 13-0020 LF CALTRANS 130690 TEMPORARY STRAW BALE BARRIER .....	5.63	
50 89 82 13-0021 EA CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE .....	2,107.01	
50 89 82 13-0022 SY CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY .....	50.43	
50 89 82 13-0023 EA CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY .....	518.17	
50 89 82 13-0024 EA CALTRANS 131104 WATER QUALITY MONITORING REPORT .....	781.00	
50 89 82 13-0025 EA CALTRANS 131105 WATER QUALITY ANNUAL REPORT .....	838.00	
<b>50 89 83 CALTRANS DIVISION III - GRADING (50 89 80)</b>		
<b>50 89 83 17 GENERAL (50 89 83)</b>		
Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.		
50 89 83 17-0001 ACR CALTRANS 170105 CLEARING AND GRUBBING (ACRE) .....	14,704.14	
Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill		
<b>50 89 83 19 EARTHWORK (50 89 83)</b>		
Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.		
50 89 83 19-0001 CY CALTRANS 190101 ROADWAY EXCAVATION .....	25.39	
<i>For &gt;1,000, Deduct</i> -3.81		
50 89 83 19-0002 CY CALTRANS 190161 ROCK EXCAVATION .....	41.17	
50 89 83 19-0003 TON CALTRANS 190185 SHOULDER BACKING .....	123.75	
50 89 83 19-0004 CY CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL) .....	70.16	947.58
50 89 83 19-0005 CY CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL) .....	107.43	337.72
50 89 83 19-0006 CY CALTRANS 192502 SAND BEDDING .....	42.32	
<i>For Up To 8, Add</i> 8.46		
<i>For &gt;8 To 16, Add</i> 4.23		
<i>For &gt;48 To 64, Deduct</i> -3.11		
<i>For &gt;64 To 96, Deduct</i> -5.23		
<i>For &gt;96, Deduct</i> -7.34		
50 89 83 19-0007 CY CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL) .....	70.16	947.58
50 89 83 19-0008 CY CALTRANS 193118 CONCRETE BACKFILL .....	256.38	
50 89 83 19-0009 CY CALTRANS 198010 IMPORTED BORROW (CY) .....	74.99	
50 89 83 19-0010 TON CALTRANS 198011 IMPORTED BORROW (TON) .....	104.98	
50 89 83 19-0011 SY CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1 .....	6.09	
<i>For Up To 50, Add</i> 1.28		
<i>For &gt;50 To 150, Add</i> 0.95		
<i>For &gt;150 To 250, Add</i> 0.63		
<i>For &gt;250 To 500, Add</i> 0.31		
50 89 83 19-0012 SY CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2 .....	2.51	
<i>For Up To 50, Add</i> 0.55		
<i>For &gt;50 To 150, Add</i> 0.41		
<i>For &gt;150 To 250, Add</i> 0.27		
<i>For &gt;250 To 500, Add</i> 0.13		
50 89 83 19-0013 SY CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1 .....	7.09	
<i>For Up To 50, Add</i> 1.48		
<i>For &gt;50 To 150, Add</i> 1.10		
<i>For &gt;150 To 250, Add</i> 0.73		
<i>For &gt;250 To 500, Add</i> 0.36		
50 89 83 19-0014 SY CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2 .....	3.44	
<i>For Up To 50, Add</i> 0.73		
<i>For &gt;50 To 150, Add</i> 0.55		
<i>For &gt;150 To 250, Add</i> 0.36		
<i>For &gt;250 To 500, Add</i> 0.18		
50 89 83 19-0015 SY CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3 .....	3.25	
<i>For Up To 50, Add</i> 0.71		
<i>For &gt;50 To 150, Add</i> 0.53		
<i>For &gt;150 To 250, Add</i> 0.35		
<i>For &gt;250 To 500, Add</i> 0.17		
50 89 83 19-0016 SY CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID .....	5.44	
<i>For Up To 50, Add</i> 1.21		
<i>For &gt;50 To 150, Add</i> 0.89		
<i>For &gt;150 To 250, Add</i> 0.58		
<i>For &gt;250 To 500, Add</i> 0.29		
50 89 83 19-0017 SY CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT .....	2.33	
<b>50 89 83 20 LANDSCAPE (50 89 83)</b>		
Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.		
50 89 83 20-0001 SF CALTRANS 200114 ROCK BLANKET .....	16.58	
<i>For &gt;5,000, Deduct</i> -2.26		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0002 SY CALTRANS 200122 WEED GERMINATION.....	.072	
50 89 83 20-0003 SY CALTRANS 200123 CULTIVATION.....	3.17	
50 89 83 20-0004 LB CALTRANS 202004 IRON SULFATE (LB).....	8.31	
50 89 83 20-0005 CY CALTRANS 202006 SOIL AMENDMENT.....	129.07	
50 89 83 20-0006 EA CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY.....	1,247.01	
50 89 83 20-0007 EA CALTRANS 202027 RELOCATE WATER METER.....	1,247.01	
50 89 83 20-0008 EA CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER.....	1,537.01	
50 89 83 20-0009 LB CALTRANS 202037 ORGANIC FERTILIZER.....	8.43	
50 89 83 20-0010 EA CALTRANS 202038 PACKET FERTILIZER.....	1.28	
50 89 83 20-0011 LB CALTRANS 202039 SLOW-RELEASE FERTILIZER.....	4.38	
50 89 83 20-0012 EA CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B).....	494.42	
50 89 83 20-0013 EA CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B).....	925.24	
50 89 83 20-0014 EA CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B).....	1,442.63	
50 89 83 20-0015 EA CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B).....	2,259.06	
50 89 83 20-0016 EA CALTRANS 204005 PLANT (GROUP E).....	4.99	
For >100 To 1,000, Deduct	-0.28	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.56	
50 89 83 20-0017 EA CALTRANS 204006 PLANT (GROUP F).....	2.54	
For >100 To 1,000, Deduct	-0.16	
For >1,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.33	
50 89 83 20-0018 EA CALTRANS 204008 PLANT (GROUP H).....	7.20	
For >10 To 100, Deduct	-0.72	
For >100 To 1,000, Deduct	-1.62	
For >1,000 To 10,000, Deduct	-2.52	
For >10,000 To 25,000, Deduct	-3.60	
For >25,000, Deduct	-5.04	
50 89 83 20-0019 EA CALTRANS 204009 PLANT (GROUP I).....	26.56	
For >100 To 1,000, Deduct	-1.81	
For >1,000 To 5,000, Deduct	-2.95	
For >5,000, Deduct	-3.62	
50 89 83 20-0020 EA CALTRANS 204011 PLANT (GROUP K).....	682.45	
50 89 83 20-0021 EA CALTRANS 204013 PLANT (GROUP M).....	8.80	
For >100 To 1,000, Deduct	-0.51	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.02	
50 89 83 20-0022 EA CALTRANS 204015 PLANT (GROUP S).....	9.83	
For >100 To 1,000, Deduct	-0.62	
For >1,000 To 5,000, Deduct	-0.99	
For >5,000, Deduct	-1.24	
50 89 83 20-0023 EA CALTRANS 204020 PLANT (GROUP P).....	8.32	
For >100 To 1,000, Deduct	-0.48	
For >1,000 To 5,000, Deduct	-0.74	
For >5,000, Deduct	-0.95	
50 89 83 20-0024 EA CALTRANS 204030 TRANSPLANT TREE.....	4,422.14	
For >5 To 10, Deduct	-221.11	
For >10 To 20, Deduct	-442.21	
For >20, Deduct	-663.32	
50 89 83 20-0025 EA CALTRANS 204035 PLANT (GROUP A).....	35.88	
50 89 83 20-0026 EA CALTRANS 204036 PLANT (GROUP B).....	91.05	
50 89 83 20-0027 EA CALTRANS 204038 PLANT (GROUP U).....	237.93	
50 89 83 20-0028 SY CALTRANS 204045 SOD.....	21.28	
50 89 83 20-0029 SF CALTRANS 205033 GRAVEL MULCH.....	1.41	
50 89 83 20-0030 SF CALTRANS 205034 DECOMPOSED GRANITE.....	1.61	
50 89 83 20-0031 CY CALTRANS 205035 WOOD MULCH.....	130.21	
For >5 To 20, Deduct	-10.52	
For >20 To 50, Deduct	-15.78	
For >50, Deduct	-22.29	
50 89 83 20-0032 EA CALTRANS 205051 FOLIAGE PROTECTOR.....	43.79	
50 89 83 20-0033 EA CALTRANS 205052 ROOT PROTECTOR.....	31.02	
50 89 83 20-0034 LF CALTRANS 205062 ROOT BARRIER.....	13.88	
50 89 83 20-0035 LF CALTRANS 206005 EDGING.....	18.89	
50 89 83 20-0036 EA CALTRANS 206561 3/4" REMOTE CONTROL VALVE.....	450.40	
50 89 83 20-0037 EA CALTRANS 206562 1" REMOTE CONTROL VALVE.....	667.83	
50 89 83 20-0038 EA CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE.....	725.92	
50 89 83 20-0039 EA CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE.....	788.99	
50 89 83 20-0040 EA CALTRANS 206565 2" REMOTE CONTROL VALVE.....	872.04	
50 89 83 20-0041 EA CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE.....	1,328.92	
50 89 83 20-0042 EA CALTRANS 206567 3" REMOTE CONTROL VALVE.....	1,785.81	
50 89 83 20-0043 EA CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR.....	963.09	
50 89 83 20-0044 EA CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY.....	367.54	
50 89 83 20-0045 EA CALTRANS 206631 1" WYE STRAINER ASSEMBLY.....	398.86	
50 89 83 20-0046 EA CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY.....	445.02	
50 89 83 20-0047 EA CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY.....	472.39	
50 89 83 20-0048 EA CALTRANS 206634 2" WYE STRAINER ASSEMBLY.....	563.47	
50 89 83 20-0049 EA CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY.....	853.63	
50 89 83 20-0050 EA CALTRANS 206636 3" WYE STRAINER ASSEMBLY.....	1,028.80	
50 89 83 20-0051 EA CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	905.35	
50 89 83 20-0052 EA CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,273.89	
50 89 83 20-0053 EA CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,715.47	
50 89 83 20-0054 EA CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,204.76	
50 89 83 20-0055 EA CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,910.14	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0056 EA CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,612.49	
50 89 83 20-0057 LF CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE).....	13.31	
For >1,000, Deduct	-0.67	
50 89 83 20-0058 LF CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE).....	18.10	
For >1,000, Deduct	-0.91	
50 89 83 20-0059 LF CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE).....	22.31	
For >1,000, Deduct	-1.12	
50 89 83 20-0060 LF CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE).....	28.44	
For >1,000, Deduct	-1.42	
50 89 83 20-0061 LF CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE).....	34.40	
For >1,000, Deduct	-1.72	
50 89 83 20-0062 LF CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE).....	47.58	
For >1,000, Deduct	-2.38	
50 89 83 20-0063 LF CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE).....	94.18	
For >1,000, Deduct	-4.71	
50 89 83 20-0064 LF CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE).....	151.65	
For >1,000, Deduct	-7.58	
50 89 83 20-0065 LF CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE).....	65.14	
For >1,000, Deduct	-3.26	
50 89 83 20-0066 LF CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE).....	14.59	
For >1,000, Deduct	-0.73	
50 89 83 20-0067 LF CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE).....	16.70	
For >1,000, Deduct	-0.84	
50 89 83 20-0068 LF CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE).....	19.79	
For >1,000, Deduct	-0.99	
50 89 83 20-0069 LF CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE).....	23.32	
For >1,000, Deduct	-1.17	
50 89 83 20-0070 LF CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE).....	27.09	
For >1,000, Deduct	-1.35	
50 89 83 20-0071 LF CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE).....	34.10	
For >1,000, Deduct	-1.71	
50 89 83 20-0072 LF CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE).....	50.22	
For >1,000, Deduct	-2.51	
50 89 83 20-0073 LF CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE).....	69.96	
For >1,000, Deduct	-3.50	
50 89 83 20-0074 LF CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE).....	100.78	
For >1,000, Deduct	-5.04	
50 89 83 20-0075 LF CALTRANS 208026 2" SUPPLY LINE (BRIDGE).....	62.12	
50 89 83 20-0076 LF CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE).....	78.85	
50 89 83 20-0077 LF CALTRANS 208028 3" SUPPLY LINE (BRIDGE).....	97.63	
50 89 83 20-0078 LF CALTRANS 208029 4" SUPPLY LINE (BRIDGE).....	143.47	
50 89 83 20-0079 LF CALTRANS 208030 6" SUPPLY LINE (BRIDGE).....	366.03	
50 89 83 20-0080 LF CALTRANS 208033 8" SUPPLY LINE (BRIDGE).....	783.26	
50 89 83 20-0081 LF CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	41.29	
50 89 83 20-0082 LF CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	58.34	
50 89 83 20-0083 LF CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	72.49	
50 89 83 20-0084 LF CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	103.79	
50 89 83 20-0085 LF CALTRANS 208220 1/2" DRIP IRRIGATION TUBING.....	2.84	
50 89 83 20-0086 LF CALTRANS 208221 3/4" DRIP IRRIGATION TUBING.....	3.04	
50 89 83 20-0087 EA CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET.....	4,122.51	
50 89 83 20-0088 EA CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY.....	2,860.50	
50 89 83 20-0089 EA CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY.....	2,991.33	
50 89 83 20-0090 EA CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY.....	3,910.82	
50 89 83 20-0091 EA CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY.....	4,194.39	
50 89 83 20-0092 EA CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY.....	5,636.80	
50 89 83 20-0093 EA CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY.....	11,222.87	
50 89 83 20-0094 EA CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY.....	13,064.63	
50 89 83 20-0095 EA CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY.....	14,061.45	
50 89 83 20-0096 EA CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE.....	4,478.73	
50 89 83 20-0097 EA CALTRANS 208442 FLOW SENSOR.....	1,816.84	
50 89 83 20-0098 EA CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN).....	88.77	14.96
50 89 83 20-0099 EA CALTRANS 208448 RISER SPRINKLER ASSEMBLY.....	57.20	14.96
50 89 83 20-0100 EA CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY.....	56.29	14.96
50 89 83 20-0101 EA CALTRANS 208562 CAM COUPLER ASSEMBLY.....	506.99	
50 89 83 20-0102 EA CALTRANS 208569 1/2" GATE VALVE.....	331.72	
50 89 83 20-0103 EA CALTRANS 208570 3/4" GATE VALVE.....	353.09	
50 89 83 20-0104 EA CALTRANS 208572 1" GATE VALVE.....	385.69	
50 89 83 20-0105 EA CALTRANS 208573 1 1/4" GATE VALVE.....	425.68	
50 89 83 20-0106 EA CALTRANS 208574 1 1/2" GATE VALVE.....	453.63	
50 89 83 20-0107 EA CALTRANS 208575 2" GATE VALVE.....	516.83	
50 89 83 20-0108 EA CALTRANS 208576 2 1/2" GATE VALVE.....	833.48	
50 89 83 20-0109 EA CALTRANS 208588 3" GATE VALVE.....	1,464.55	
50 89 83 20-0110 EA CALTRANS 208589 4" GATE VALVE.....	1,962.32	
50 89 83 20-0111 EA CALTRANS 208590 6" GATE VALVE.....	2,807.17	
50 89 83 20-0112 EA CALTRANS 208591 8" GATE VALVE.....	4,281.34	
50 89 83 20-0113 LF CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.19	
For >1,000, Deduct	-0.36	
For Schedule 80, Add	0.17	
50 89 83 20-0114 LF CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.36	
For >1,000, Deduct	-0.37	
For Schedule 80, Add	0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0115 LF CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	8.26	
For >1,000, Deduct	-0.41	
For Schedule 80, Add	0.34	
50 89 83 20-0116 LF CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.73	
For >1,000, Deduct	-0.49	
For Schedule 80, Add	0.51	
50 89 83 20-0117 LF CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.94	
For >1,000, Deduct	-0.50	
For Schedule 80, Add	0.68	
50 89 83 20-0118 LF CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	11.68	
For >1,000, Deduct	-0.58	
For Schedule 80, Add	1.14	
50 89 83 20-0119 LF CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	13.98	
For >1,000, Deduct	-0.70	
For Schedule 80, Add	1.48	
50 89 83 20-0120 LF CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	18.08	
For >1,000, Deduct	-0.90	
For Schedule 80, Add	2.08	
50 89 83 20-0121 LF CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	22.61	
For >1,000, Deduct	-1.13	
For Schedule 80, Add	3.18	
50 89 83 20-0122 LF CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	30.69	
For >1,000, Deduct	-1.53	
For Schedule 80, Add	7.08	
50 89 83 20-0123 LF CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	36.71	
For >1,000, Deduct	-1.84	
For Schedule 80, Add	10.85	
50 89 83 20-0124 LF CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	73.07	
For >1,000, Deduct	-3.65	
For Schedule 80, Add	33.73	
50 89 83 20-0125 LF CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	12.27	
For >1,000, Deduct	-0.61	
50 89 83 20-0126 LF CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	14.94	
For >1,000, Deduct	-0.75	
50 89 83 20-0127 LF CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	18.08	
For >1,000, Deduct	-0.90	
50 89 83 20-0128 LF CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	22.61	
For >1,000, Deduct	-1.13	
50 89 83 20-0129 LF CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	31.12	
For >1,000, Deduct	-1.56	
50 89 83 20-0130 EA CALTRANS 208631 3/4" PRESSURE RELIEF VALVE.....	1,097.32	
50 89 83 20-0131 EA CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE.....	1,589.00	
50 89 83 20-0132 EA CALTRANS 208633 1" PRESSURE RELIEF VALVE.....	1,302.54	
50 89 83 20-0133 EA CALTRANS 208634 2" PRESSURE RELIEF VALVE.....	1,793.36	
50 89 83 20-0134 EA CALTRANS 208640 PRESSURE REGULATING VALVE (3/4").....	302.11	
50 89 83 20-0135 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1").....	395.97	
50 89 83 20-0136 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4").....	674.97	
50 89 83 20-0137 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2").....	914.91	
50 89 83 20-0138 EA CALTRANS 208640 PRESSURE REGULATING VALVE (2").....	1,312.05	
50 89 83 20-0139 EA CALTRANS 208649 QUICK COUPLING VALVE.....	553.69	
50 89 83 20-0140 EA CALTRANS 208670 1/2" CHECK VALVE.....	347.06	
50 89 83 20-0141 EA CALTRANS 208670 3/4" CHECK VALVE.....	372.29	
50 89 83 20-0142 EA CALTRANS 208670 1" CHECK VALVE.....	405.66	
50 89 83 20-0143 EA CALTRANS 208670 1 1/4" CHECK VALVE.....	457.05	
50 89 83 20-0144 EA CALTRANS 208670 1 1/2" CHECK VALVE.....	508.98	
50 89 83 20-0145 EA CALTRANS 208670 2" CHECK VALVE.....	579.72	
50 89 83 20-0146 EA CALTRANS 208670 2 1/2" CHECK VALVE.....	900.49	
50 89 83 20-0147 EA CALTRANS 208670 3" CHECK VALVE.....	1,543.77	
50 89 83 20-0148 EA CALTRANS 208670 4" CHECK VALVE.....	2,286.93	
50 89 83 20-0149 EA CALTRANS 208670 6" CHECK VALVE.....	3,490.25	
50 89 83 20-0150 EA CALTRANS 208670 8" CHECK VALVE.....	7,695.46	
50 89 83 20-0151 EA CALTRANS 208683 1/2" BALL VALVE.....	313.25	
50 89 83 20-0152 EA CALTRANS 208683 3/4" BALL VALVE.....	344.34	
50 89 83 20-0153 EA CALTRANS 208683 1" BALL VALVE.....	356.49	
50 89 83 20-0154 EA CALTRANS 208683 1 1/4" BALL VALVE.....	396.63	
50 89 83 20-0155 EA CALTRANS 208683 1 1/2" BALL VALVE.....	417.92	
50 89 83 20-0156 EA CALTRANS 208683 2" BALL VALVE.....	460.43	
50 89 83 20-0157 EA CALTRANS 208683 2 1/2" BALL VALVE.....	517.42	
50 89 83 20-0158 LF CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE).....	36.71	
For >1,000, Deduct	-1.84	
50 89 83 20-0159 LF CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT.....	50.03	
For >1,000, Deduct	-2.50	
50 89 83 20-0160 LF CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT.....	70.72	
For >1,000, Deduct	-3.54	
50 89 83 20-0161 LF CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	27.38	
50 89 83 20-0162 LF CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	34.90	
50 89 83 20-0163 LF CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	40.55	
50 89 83 20-0164 LF CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	31.22	
50 89 83 20-0165 LF CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	38.94	
50 89 83 20-0166 LF CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	48.25	
50 89 83 20-0167 LF CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	53.67	
50 89 83 20-0168 LF CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT.....	26.95	
For >1,000, Deduct	-1.35	

**50 Custom Standards And Assemblies**  
**50 89 CALTRANS Custom Standards And Assemblies**  
**50 89 80 CALTRANS Construction Performance Requirements**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0169 LF CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT.....	31.39	
<i>For &gt;1,000, Deduct</i>	-1.57	
50 89 83 20-0170 LF CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT .....	36.20	
<i>For &gt;1,000, Deduct</i>	-1.81	
50 89 83 20-0171 LF CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT .....	48.65	
<i>For &gt;1,000, Deduct</i>	-2.43	
50 89 83 20-0172 LF CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT .....	65.07	
<i>For &gt;1,000, Deduct</i>	-3.25	
50 89 83 20-0173 LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT .....	91.25	
<i>For &gt;1,000, Deduct</i>	-4.56	
50 89 83 20-0174 LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT .....	129.84	
<i>For &gt;1,000, Deduct</i>	-6.49	
50 89 83 20-0175 LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT .....	169.84	
<i>For &gt;1,000, Deduct</i>	-8.49	
50 89 83 20-0176 LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT .....	215.22	
<i>For &gt;1,000, Deduct</i>	-10.76	
<b>50 89 83 21 EROSION CONTROL (50 89 83)</b>		
Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.		
50 89 83 21-0001 EA CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL).....	397.28	
50 89 83 21-0002 CY CALTRANS 210110 IMPORTED TOPSOIL (CY).....	74.99	
50 89 83 21-0003 TON CALTRANS 210111 IMPORTED TOPSOIL (TON).....	93.72	
50 89 83 21-0004 SF CALTRANS 210212 DRY SEED (SQFT).....	0.12	
50 89 83 21-0005 ACR CALTRANS 210213 DRY SEED (ACRE).....	4,970.17	
<i>For &gt;5 To 20, Deduct</i>	-353.10	
<i>For &gt;20 To 45, Deduct</i>	-686.54	
<i>For &gt;45, Deduct</i>	-1,124.58	
50 89 83 21-0006 SY CALTRANS 210222 DRILL SEED (SQYD).....	0.40	
50 89 83 21-0007 ACR CALTRANS 210223 DRILL SEED (ACRE).....	1,955.92	
50 89 83 21-0008 SF CALTRANS 210252 BONDED FIBER MATRIX (SQFT).....	0.11	
50 89 83 21-0009 ACR CALTRANS 210253 BONDED FIBER MATRIX (ACRE).....	4,718.54	
50 89 83 21-0010 SF CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH).....	0.55	
50 89 83 21-0011 SF CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING).....	2.17	
50 89 83 21-0012 SF CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET).....	0.72	
50 89 83 21-0013 SF CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM).....	1.71	
50 89 83 21-0014 SF CALTRANS 210300 HYDROMULCH.....	0.12	
50 89 83 21-0015 LF CALTRANS 210350 FIBER ROLL.....	8.81	
Note: 12" Diameter, Type 1		
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.01	
<i>For &gt;10,000, Deduct</i>	-1.71	
<i>For 9" Diameter, Deduct</i>	-0.98	
50 89 83 21-0016 LF CALTRANS 210350 FIBER ROLL.....	6.86	
Note: 12" Diameter, Type 2		
<i>For &gt;1,000 To 10,000, Deduct</i>	-0.72	
<i>For &gt;10,000, Deduct</i>	-1.22	
<i>For 9" Diameter, Deduct</i>	-0.98	
50 89 83 21-0017 LF CALTRANS 210360 COMPOST SOCK.....	12.31	
50 89 83 21-0018 SF CALTRANS 210420 STRAW.....	0.24	
50 89 83 21-0019 SF CALTRANS 210430 HYDROSEED.....	0.12	
50 89 83 21-0020 CY CALTRANS 210610 COMPOST (CY).....	101.78	
<i>For &gt;100 To 1,000, Deduct</i>	-17.12	
<i>For &gt;1,000, Deduct</i>	-26.22	
50 89 83 21-0021 SF CALTRANS 210630 INCORPORATE MATERIALS.....	0.06	
<b>50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES (50 89 80)</b>		
<b>50 89 84 24 STABILIZED SOILS (50 89 84)</b>		
50 89 84 24-0001 SY CALTRANS 240105 LIME STABILIZED SOIL.....	12.27	
<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.32	
<i>For 6% Lime Instead Of 5%, Add</i>	0.32	
50 89 84 24-0002 SY CALTRANS 240300 CEMENT STABILIZED SOIL.....	12.51	
<b>50 89 84 25 AGGREGATE SUBBASES (50 89 84)</b>		
Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 25-0001 CY CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE.....	114.07	
50 89 84 25-0002 CY CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE.....	113.30	
50 89 84 25-0003 CY CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE.....	108.99	
50 89 84 25-0004 CY CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE.....	108.94	
50 89 84 25-0005 CY CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE.....	108.89	
<b>50 89 84 26 AGGREGATE BASES (50 89 84)</b>		
Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 26-0001 CY CALTRANS 260200 AGGREGATE BASE.....	113.63	
<i>For Recycled Aggregate Base, Deduct</i>	-6.20	
50 89 84 26-0002 TON CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON).....	112.71	
50 89 84 26-0003 CY CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY).....	113.30	
50 89 84 26-0004 TON CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON).....	106.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 26-0005 CY CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY) .....	108.99	
<b>50 89 84 27 CEMENT TREATED BASES</b> <small>(50 89 84)</small>		
<small>Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.</small>		
50 89 84 27-0001 TON CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON) .....	58.78	
<small>For Up To 500, Add 17.34</small>		
<small>For &gt;500 To 1,000, Add 5.88</small>		
<small>For &gt;5,000 To 10,000, Deduct -2.23</small>		
<small>For &gt;10,000, Deduct -3.82</small>		
50 89 84 27-0002 CY CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY) .....	79.71	
<small>For Up To 500, Add 23.52</small>		
<small>For &gt;500 To 1,000, Add 7.97</small>		
<small>For &gt;5,000 To 10,000, Deduct -3.03</small>		
<small>For &gt;10,000, Deduct -5.18</small>		
50 89 84 27-0003 TON CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON) .....	48.53	
<small>For Up To 500, Add 14.26</small>		
<small>For &gt;500 To 1,000, Add 4.85</small>		
<small>For &gt;5,000 To 10,000, Deduct -1.84</small>		
<small>For &gt;10,000, Deduct -3.15</small>		
50 89 84 27-0004 CY CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY) .....	69.47	
<small>For Up To 500, Add 20.45</small>		
<small>For &gt;500 To 1,000, Add 6.95</small>		
<small>For &gt;5,000 To 10,000, Deduct -2.64</small>		
<small>For &gt;10,000, Deduct -4.52</small>		
<b>50 89 84 28 CONCRETE BASES</b> <small>(50 89 84)</small>		
<small>Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.</small>		
50 89 84 28-0001 CY CALTRANS 280001 CONCRETE BASE .....	267.10	
<b>50 89 84 29 TREATED PERMEABLE BASES</b> <small>(50 89 84)</small>		
<small>Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.</small>		
50 89 84 29-0001 CY CALTRANS 290301 CEMENT TREATED PERMEABLE BASE .....	1,042.07	
<small>For &gt;5,000 To 30,000, Deduct -111.21</small>		
<small>For &gt;30,000 To 100,000, Deduct -203.38</small>		
<small>For &gt;100,000, Deduct -252.57</small>		
<b>50 89 84 30 RECLAIMED PAVEMENT</b> <small>(50 89 84)</small>		
<small>Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.</small>		
50 89 84 30-0001 SF CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT .....	28.45	
50 89 84 30-0002 SY CALTRANS 303000 PULVERIZED ROADBED .....	5.90	
<b>50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS</b> <small>(50 89 80)</small>		
<b>50 89 85 37 BITUMINOUS SEALS</b> <small>(50 89 85)</small>		
<small>Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.</small>		
50 89 85 37-0001 SY CALTRANS 370001 SAND COVER (SEAL) .....	1.65	
50 89 85 37-0002 SY CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT) .....	0.95	
50 89 85 37-0003 LNMI CALTRANS 374207 CRACK TREATMENT .....	7,364.77	
50 89 85 37-0004 SY CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT) .....	5.24	
50 89 85 37-0005 SY CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT) .....	10.98	
50 89 85 37-0006 TON CALTRANS 375001 SCREENINGS .....	81.50	
<small>For Up To 14, Add 22.06</small>		
<small>For &gt;14 To 35, Add 8.15</small>		
50 89 85 37-0007 SY CALTRANS 375009 TACK COAT (SEAL) .....	1.43	
<small>For Up To 150, Add 0.32</small>		
<small>For &gt;150 To 300, Add 0.14</small>		
<small>For &gt;300 To 500, Add 0.07</small>		
<small>For &gt;3,500 To 5,000, Deduct -0.04</small>		
<small>For &gt;5,000, Deduct -0.10</small>		
50 89 85 37-0008 SY CALTRANS 377501 SLURRY SEAL (TYPE I) .....	3.36	
<small>Note: 1/8" thick.</small>		
<small>For Each 0.5% Of Latex Addition, Add 0.34</small>		
50 89 85 37-0009 SY CALTRANS 377501 SLURRY SEAL (TYPE II) .....	4.42	
<small>Note: 1/4" thick, 14 to 18 Lb./SY.</small>		
<small>For Each 0.5% Of Latex Addition, Add 0.51</small>		
50 89 85 37-0010 SY CALTRANS 377501 SLURRY SEAL (TYPE III) .....	5.73	
<small>Note: 3/8" thick, 25 to 30 Lb./SY.</small>		
<small>For Each 0.5% Of Latex Addition, Add 0.83</small>		
50 89 85 37-0011 SY CALTRANS 378000 MICRO-SURFACING .....	11.78	
<b>50 89 85 39 ASPHALT CONCRETE</b> <small>(50 89 85)</small>		
<small>Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.</small>		
50 89 85 39-0001 TON CALTRANS 390100 PRIME COAT .....	2,077.53	
50 89 85 39-0002 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25) .....	180.54	
50 89 85 39-0003 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100) .....	170.32	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0004 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250).....	154.19	
50 89 85 39-0005 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250).....	146.48	
50 89 85 39-0006 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25).....	283.06	
50 89 85 39-0007 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100).....	247.24	
50 89 85 39-0008 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250).....	212.20	
50 89 85 39-0009 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250).....	180.02	
50 89 85 39-0010 TON CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25).....	292.19	
50 89 85 39-0011 TON CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED).....	182.42	
Note: Includes placement, rolling, finishing and sweeping.		
50 89 85 39-0012 SY CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC).....	2.11	
Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
For Up To 50, Add	0.47	
For >50 To 150, Add	0.35	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
50 89 85 39-0013 LF CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B).....	10.05	
50 89 85 39-0014 LF CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A).....	7.37	
50 89 85 39-0015 LF CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C).....	3.99	
50 89 85 39-0016 LF CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D).....	16.08	
50 89 85 39-0017 LF CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E).....	10.40	
50 89 85 39-0018 LF CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F).....	5.83	
50 89 85 39-0019 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2".....	17.23	
For Up To 500, Add	2.78	
For >500 To 1,000, Add	1.59	
For >5,000 To 10,000, Deduct	-0.69	
For >10,000 To 24,000, Deduct	-1.26	
For >24,000 To 48,000, Deduct	-1.94	
For >48,000, Deduct	-2.80	
50 89 85 39-0020 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3".....	23.92	
For Up To 300, Add	3.63	
For >300 To 600, Add	2.91	
For >3,000 To 6,000, Deduct	-0.99	
For >6,000 To 16,000, Deduct	-1.81	
For >16,000 To 32,000, Deduct	-2.80	
For >32,000, Deduct	-4.03	
50 89 85 39-0021 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4".....	32.29	
For Up To 250, Add	4.54	
For >250 To 500, Add	2.53	
For >2,500 To 5,000, Deduct	-1.40	
For >5,000 To 12,000, Deduct	-2.54	
For >12,000 To 24,000, Deduct	-3.94	
For >24,000, Deduct	-5.65	
50 89 85 39-0022 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6".....	48.43	
For Up To 160, Add	6.82	
For >160 To 320, Add	3.79	
For >1,600 To 3,200, Deduct	-2.09	
For >3,200 To 8,000, Deduct	-3.81	
For >8,000 To 16,000, Deduct	-5.90	
For >16,000, Deduct	-8.48	
50 89 85 39-0023 TON CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE).....	182.42	
50 89 85 39-0024 TON CALTRANS 397005 TACK COAT.....	1,265.64	
50 89 85 39-0025 SF CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY).....	216.89	
For >500 To 1,000, Deduct	-21.69	
For >1,000 To 2,500, Deduct	-39.04	
For >2,500 To 5,000, Deduct	-56.39	
For >5,000 To 10,000, Deduct	-73.74	
For >10,000, Deduct	-91.09	
50 89 85 39-0026 SF CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT).....	3.67	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,500, Deduct	-0.66	
For >2,500 To 5,000, Deduct	-0.95	
For >5,000 To 10,000, Deduct	-1.25	
For >10,000, Deduct	-1.54	
50 89 85 39-0027 LF CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE.....	5.98	
50 89 85 39-0028 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3").....	5.29	
For Up To 2,500, Add	3.97	
For >2,500 To 5,000, Add	1.32	
For >10,000 To 25,000, Deduct	-0.53	
For >25,000, Deduct	-0.79	
50 89 85 39-0029 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6").....	7.05	
For Up To 2,500, Add	5.29	
For >2,500 To 5,000, Add	1.76	
For >10,000 To 25,000, Deduct	-0.71	
For >25,000, Deduct	-1.06	

**50 89 85 40 CONCRETE PAVEMENT** (50 89 85)

Note: Includes concrete pavement, reinforcing, placement, finishing, compaction and testing per CALTRANS Standard.

50 89 85 40-0001 CY CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT.....	413.69	
For >1,000 To 5,000, Deduct	-20.00	
For >5,000, Deduct	-50.69	
50 89 85 40-0002 CY CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT.....	396.44	
For >1,000 To 5,000, Deduct	-20.00	
For >5,000, Deduct	-49.83	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**50 89 85 41 EXISTING CONCRETE PAVEMENT (50 89 85)**

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001	EA	CALTRANS 410096 DRILL AND BOND (DOWEL BAR).....	35.42	
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE).....	446.45	
		<i>For Up To 100, Add</i>	627.48	
		<i>For &gt;100 To 250, Add</i>	313.74	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER).....	9.93	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE).....	9.54	
50 89 85 41-0005	LF	CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16").....	17.05	
50 89 85 41-0006	LF	CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4").....	20.21	
50 89 85 41-0007	LF	CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2").....	39.84	
50 89 85 41-0008	LF	CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE).....	13.98	
50 89 85 41-0009	LF	CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION).....	14.48	
50 89 85 41-0010	SY	CALTRANS 416101 PAVEMENT TRANSITION TAPER.....	65.32	
		<i>For Up To 100, Add</i>	26.16	
		<i>For &gt;100 To 250, Add</i>	14.71	
		<i>For &gt;250 To 500, Add</i>	7.35	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.63	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.26	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-4.90	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-6.53	
		<i>For &gt;20,000, Deduct</i>	-8.16	
50 89 85 41-0011	CY	CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE.....	53.88	
50 89 85 41-0012	SY	CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD).....	26.29	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
		<i>For &gt;1,000 To 2,500, Deduct</i>	-4.73	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-6.84	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-8.94	
		<i>For &gt;10,000, Deduct</i>	-11.04	

**50 89 85 42 GROOVE AND GRIND CONCRETE (50 89 85)**

Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.

50 89 85 42-0001	SY	CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT.....	2.03	
50 89 85 42-0002	SY	CALTRANS 420104 GROOVE EXISTING BRIDGE DECK.....	3.04	
50 89 85 42-0003	SY	CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT.....	5.29	
		<i>For Up To 2,500, Add</i>	3.97	
		<i>For &gt;2,500 To 5,000, Add</i>	1.32	
		<i>For &gt;10,000 To 25,000, Deduct</i>	-0.53	
		<i>For &gt;25,000, Deduct</i>	-0.79	
50 89 85 42-0004	SY	CALTRANS 420203 GRIND EXISTING BRIDGE DECK.....	33.46	
		<i>For &gt;100 To 1,000, Deduct</i>	-16.73	
		<i>For &gt;1,000, Deduct</i>	-25.10	

**50 89 86 CALTRANS DIVISION VI - STRUCTURES (50 89 86)**

**50 89 86 47 EARTH RETAINING SYSTEMS (50 89 86)**

50 89 86 47-0001	SF	CALTRANS 475010 RETAINING WALL (MASONRY WALL).....	76.26	9.93
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.79	

**50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES (50 89 86)**

50 89 86 56-0001	SF	CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	24.68	26.42
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**50 89 86 60 EXISTING STRUCTURES (50 89 86)**

50 89 86 60-0001	LF	CALTRANS 600063 CORE CONCRETE (1").....	143.03	
		<i>For Horizontal Cores, Add</i>	28.28	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.55	
50 89 86 60-0002	LF	CALTRANS 600064 CORE CONCRETE (2").....	176.18	
		<i>For Horizontal Cores, Add</i>	34.91	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.81	
50 89 86 60-0003	LF	CALTRANS 600065 CORE CONCRETE (3").....	193.39	
		<i>For Horizontal Cores, Add</i>	38.22	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.44	
50 89 86 60-0004	LF	CALTRANS 600066 CORE CONCRETE (4").....	257.78	
		<i>For Horizontal Cores, Add</i>	50.96	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.93	
50 89 86 60-0005	LF	CALTRANS 600067 CORE CONCRETE (5").....	296.85	
		<i>For Horizontal Cores, Add</i>	58.64	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	117.28	
50 89 86 60-0006	LF	CALTRANS 600068 CORE CONCRETE (6").....	335.25	
		<i>For Horizontal Cores, Add</i>	66.32	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	132.64	
50 89 86 60-0007	LF	CALTRANS 600069 CORE CONCRETE (7").....	438.66	
		<i>For Horizontal Cores, Add</i>	86.74	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	173.48	
50 89 86 60-0008	LF	CALTRANS 600070 CORE CONCRETE (8").....	540.77	
		<i>For Horizontal Cores, Add</i>	107.16	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	214.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0009 LF CALTRANS 600071 CORE CONCRETE (9").....	62.19	
For Horizontal Cores, Add	11.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.24	
50 89 86 60-0010 LF CALTRANS 600072 CORE CONCRETE (10").....	582.56	
For Horizontal Cores, Add	115.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	230.38	
50 89 86 60-0011 LF CALTRANS 600074 CORE CONCRETE (12").....	671.14	
For Horizontal Cores, Add	132.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	265.29	
50 89 86 60-0012 LF CALTRANS 600081 CORE CONCRETE (1 1/2").....	158.73	
For Horizontal Cores, Add	31.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.83	
50 89 86 60-0013 LF CALTRANS 600083 CORE CONCRETE (2 1/2").....	185.10	
For Horizontal Cores, Add	36.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.13	
<b>50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES (50 89 80)</b>		
<b>50 89 87 64 PLASTIC PIPE (50 89 87)</b>		
Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 64-0001 LF CALTRANS 641101 12" PLASTIC PIPE .....	55.35	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0002 LF CALTRANS 641104 15" PLASTIC PIPE .....	69.34	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0003 LF CALTRANS 641107 18" PLASTIC PIPE .....	87.53	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0004 LF CALTRANS 641110 21" PLASTIC PIPE .....	103.89	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0005 LF CALTRANS 641113 24" PLASTIC PIPE .....	121.02	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0006 LF CALTRANS 641119 30" PLASTIC PIPE .....	174.23	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0007 LF CALTRANS 641125 36" PLASTIC PIPE .....	212.41	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0008 LF CALTRANS 641128 42" PLASTIC PIPE .....	256.69	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 64-0009 LF CALTRANS 641131 48" PLASTIC PIPE .....	309.25	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
<b>50 89 87 65 CONCRETE PIPE (50 89 87)</b>		
Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 65-0001 LF CALTRANS 650010 12" REINFORCED CONCRETE PIPE.....	70.05	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.50	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0002 LF CALTRANS 650012 15" REINFORCED CONCRETE PIPE.....	87.04	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.35	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0003 LF CALTRANS 650014 18" REINFORCED CONCRETE PIPE.....	99.77	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.99	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0004 LF CALTRANS 650016 21" REINFORCED CONCRETE PIPE.....	128.25	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.41	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0005 LF CALTRANS 650018 24" REINFORCED CONCRETE PIPE.....	148.31	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.42	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0006 LF CALTRANS 650019 23" REINFORCED CONCRETE PIPE.....	183.64	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.18	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0007 LF CALTRANS 650022 30" REINFORCED CONCRETE PIPE.....	196.35	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0008 LF CALTRANS 650024 33" REINFORCED CONCRETE PIPE.....	219.08	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.95	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0009 LF CALTRANS 650026 36" REINFORCED CONCRETE PIPE.....	241.62	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.08	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0010 LF CALTRANS 650030 42" REINFORCED CONCRETE PIPE.....	310.66	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-15.53	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0011 LF CALTRANS 650034 48" REINFORCED CONCRETE PIPE.....	372.14	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-18.61	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0012 LF CALTRANS 650038 54" REINFORCED CONCRETE PIPE.....	457.33	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0013 LF CALTRANS 650042 60" REINFORCED CONCRETE PIPE.....	548.74	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-27.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0014 LF CALTRANS 650046 66" REINFORCED CONCRETE PIPE.....	813.11	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-40.66	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0015 LF CALTRANS 650050 72" REINFORCED CONCRETE PIPE.....	943.65	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-47.18	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0016 LF CALTRANS 650054 78" REINFORCED CONCRETE PIPE.....	1,126.10	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-56.31	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0017 LF CALTRANS 650058 84" REINFORCED CONCRETE PIPE.....	1,431.71	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-71.59	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0018 LF CALTRANS 650065 96" REINFORCED CONCRETE PIPE.....	1,744.93	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-87.25	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0019 LF CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II).....	97.67	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.88	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0020 LF CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II).....	192.14	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.61	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0021 LF CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II).....	214.12	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.71	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0022 LF CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II).....	235.91	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.80	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0023 LF CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III).....	70.05	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.50	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0024 LF CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III).....	87.04	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.35	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0025 LF CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III).....	99.77	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.99	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0026 LF CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III).....	148.31	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.42	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0027 LF CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III).....	183.64	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.18	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0028 LF CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III).....	196.35	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0029 LF CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III).....	241.62	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.08	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0030 LF CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III).....	310.66	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-15.53	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0031 LF CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III).....	457.33	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0032 LF CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV).....	73.01	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.65	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0033 LF CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV).....	90.83	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.54	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0034 LF CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV).....	103.76	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.19	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0035 LF CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV).....	154.18	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.71	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0036 LF CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV).....	204.36	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.22	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0037 LF CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV).....	252.48	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.62	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0038 LF CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV).....	391.63	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-19.58	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0039	LF CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV) .....	482.63		
	Note: Includes 2.05 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-24.13	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0040	LF CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV) .....	579.86		
	Note: Includes 2.33 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-28.99	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0041	LF CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V) .....	76.28		
	Note: Includes 0.37 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-3.81	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0042	LF CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V) .....	108.16		
	Note: Includes 0.64 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-5.41	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0043	LF CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V) .....	160.66		
	Note: Includes 0.89 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-8.03	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0044	LF CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V) .....	196.35		
	Note: Includes 1.08 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-9.82	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0045	LF CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V) .....	264.48		
	Note: Includes 1.30 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-13.22	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0046	LF CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V) .....	310.66		
	Note: Includes 1.53 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-15.53	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0047	LF CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V) .....	510.60		
	Note: Includes 2.05 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-25.53	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0048	LF CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V) .....	548.74		
	Note: Includes 2.33 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-27.44	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0049	LF CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V) .....	943.65		
	Note: Includes 2.96 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-47.18	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0050	LF CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) .....	70.67		
	Note: Includes 0.37 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-3.53	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0051	LF CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) .....	149.55		
	Note: Includes 0.89 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-7.48	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0052	LF CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	72.38		
	Note: Includes 0.37 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-3.62	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0053	LF CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	102.92		
	Note: Includes 0.64 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-5.15	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0054	LF CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	132.34		
	Note: Includes 0.80 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-6.62	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	
50 89 87 65-0055	LF CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	152.94		
	Note: Includes 0.89 CY of excavated material per LF of pipe.			
	For >1,000, Deduct		-7.65	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.99	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.38	

**50 Custom Standards And Assemblies**  
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0056 LF CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	202.67	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.13	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0057 LF CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	250.19	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0058 LF CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	323.06	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-16.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0059 LF CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	387.53	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-19.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0060 LF CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	994.24	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-49.71	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0061 LF CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	159.24	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.96	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0062 LF CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	211.27	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.56	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0063 LF CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	261.85	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.09	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0064 LF CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	339.93	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-17.00	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0065 LF CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	913.68	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-45.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0066 LF CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	168.57	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.43	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0067 LF CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	208.37	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.42	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0068 LF CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	277.69	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.88	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0069 LF CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II).....	291.26	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.56	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0070 LF CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III).....	499.37	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-24.97	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0071 LF CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE.....	91.37	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.57	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 65-0072 LF CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE.....	135.97	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.80	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0073 LF CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE ..... 179.50 Note: Includes 1.08 CY of excavated material per LF of pipe. <i>For &gt;1,000, Deduct</i> -8.98 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 65-0074 LF CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE ..... 218.76 Note: Includes 1.30 CY of excavated material per LF of pipe. <i>For &gt;1,000, Deduct</i> -10.94 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
<b>50 89 87 66 CORRUGATED METAL PIPE <small>(50 89 87)</small></b> Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 66-0001 LF CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) ..... 31.78 Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0002 LF CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) ..... 34.39 Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0003 LF CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) ..... 42.83 Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0004 LF CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) ..... 46.27 Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0005 LF CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) ..... 52.74 Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0006 LF CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) ..... 55.55 Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0007 LF CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) ..... 58.61 Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0008 LF CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) ..... 63.09 Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0009 LF CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) ..... 73.74 Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0010 LF CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) ..... 79.26 Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0011 LF CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) ..... 90.65 Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0012 LF CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) ..... 86.39 Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0013 LF CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) ..... 93.06 Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0014 LF CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) ..... 106.87 Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0015 LF CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) ..... 102.43 Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0016 LF CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) ..... 110.14 Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		
50 89 87 66-0017 LF CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) ..... 126.19 Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.99 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.38		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0039 LF CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK) .....	318.21	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0040 LF CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK) .....	351.57	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0041 LF CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK) .....	390.87	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0042 LF CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) .....	345.20	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0043 LF CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) .....	384.44	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0044 LF CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) .....	421.80	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0045 LF CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) .....	468.35	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0046 LF CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) .....	444.59	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0047 LF CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) .....	486.18	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0048 LF CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) .....	537.30	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0049 LF CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) .....	533.44	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0050 LF CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) .....	579.14	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0051 LF CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) .....	714.76	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0052 LF CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) .....	779.53	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0053 LF CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) .....	842.49	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0054 LF CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) .....	902.28	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0055 LF CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) .....	999.62	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0056 LF CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) .....	966.56	
Note: Includes 4.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0057 LF CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) .....	1,028.56	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0058 LF CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) .....	118.33	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0059 LF CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) .....	129.12	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	





**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0103 LF CALTRANS 665156 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....527.07 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0104 LF CALTRANS 665157 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....587.25 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0105 LF CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....572.92 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0106 LF CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....626.39 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0107 LF CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....700.05 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0108 LF CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....779.38 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0109 LF CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....857.11 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0110 LF CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....946.31 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0111 LF CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....924.42 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0112 LF CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....1,020.82 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0113 LF CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....990.77 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0114 LF CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....1,107.59 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0115 LF CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....1,060.50 Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0116 LF CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....197.10 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0117 LF CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK).....146.85 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0118 LF CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....162.46 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0119 LF CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....273.96 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0120 LF CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....133.14 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0121 LF CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK).....256.64 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0122 LF CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....230.17 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38
50 89 87 66-0123 LF CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....63.75 Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		0.99 1.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0124 LF CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	68.15	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0125 LF CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	81.87	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0126 LF CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	114.15	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0127 LF CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	124.24	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0128 LF CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	210.66	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0129 LF CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	123.82	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0130 LF CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	132.76	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0131 LF CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	70.01	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0132 LF CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	75.47	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0133 LF CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	128.51	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0134 LF CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	141.04	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0135 LF CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	180.18	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0136 LF CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK).....	210.85	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0137 LF CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	147.64	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0138 LF CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	248.37	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0139 LF CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	82.75	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0140 LF CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	101.15	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0141 LF CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	114.85	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0142 LF CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	119.01	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0143 LF CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	135.17	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0144 LF CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	125.75	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0145 LF CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	151.69	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0146 LF CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	167.71	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0147 LF CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	176.02	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0148 LF CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	198.59	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0149 LF CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	218.75	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0150 LF CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	218.47	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0151 LF CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	245.15	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0152 LF CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	270.27	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0153 LF CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	255.44	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0154 LF CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	286.24	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0155 LF CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	315.53	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0156 LF CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	306.45	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0157 LF CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	333.80	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0158 LF CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	366.99	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0159 LF CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	357.68	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0160 LF CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	387.88	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0161 LF CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	452.24	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0162 LF CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	490.03	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0163 LF CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	745.22	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0164 LF CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK) .....	164.29	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0165 LF CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK) .....	329.83	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0166 LF CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	63.09	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0167 LF CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	86.39	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0168 LF CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	93.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0169 LF CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK).....	106.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0170 LF CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	46.66	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 66-0171 LF CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	133.14	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
<b>50 89 87 67 STRUCTURAL PLATE CULVERTS <sup>(50 89 87)</sup></b>		
Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 67-0001 LF CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK).....	1,008.70	
Note: Includes 4.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 67-0002 LF CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....	1,102.82	
Note: Includes 5.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 67-0003 LF CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....	1,225.21	
Note: Includes 6.22 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 67-0004 LF CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK).....	1,408.54	
Note: Includes 0.32 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
<b>50 89 87 68 SUBSURFACE DRAINS <sup>(50 89 87)</sup></b>		
Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.		
50 89 87 68-0001 LF CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	34.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 68-0002 LF CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	46.95	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 68-0003 LF CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	51.29	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 68-0004 LF CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	66.27	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 68-0005 LF CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	71.96	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
50 89 87 68-0006 LF CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	56.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.99	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.38	
<b>50 89 87 69 OVERSIDE DRAINS <sup>(50 89 87)</sup></b>		
Note: Includes constructing outside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.		
50 89 87 69-0001 LF CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	33.84	
50 89 87 69-0002 LF CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	41.92	
50 89 87 69-0003 LF CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	45.35	
50 89 87 69-0004 LF CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN.....	54.45	
50 89 87 69-0005 LF CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	57.07	
50 89 87 69-0006 LF CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	61.55	
50 89 87 69-0007 LF CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	77.17	
50 89 87 69-0008 LF CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	88.56	
50 89 87 69-0009 LF CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	83.97	
50 89 87 69-0010 LF CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	90.64	
50 89 87 69-0011 LF CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	104.45	
50 89 87 69-0012 LF CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	109.21	
50 89 87 69-0013 LF CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	118.17	
50 89 87 69-0014 LF CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	136.46	
50 89 87 69-0015 LF CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	151.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 69-0016 LF CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	157.61	
50 89 87 69-0017 LF CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	180.24	
50 89 87 69-0018 LF CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	199.77	
50 89 87 69-0019 LF CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	207.69	
50 89 87 69-0020 LF CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	234.53	
50 89 87 69-0021 LF CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	259.65	
50 89 87 69-0022 LF CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	270.88	
50 89 87 69-0023 LF CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	306.83	
50 89 87 69-0024 LF CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	340.18	
50 89 87 69-0025 LF CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	372.07	
50 89 87 69-0026 LF CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	45.74	
50 89 87 69-0027 LF CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	49.19	
50 89 87 69-0028 LF CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	62.15	
50 89 87 69-0029 LF CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	66.64	
50 89 87 69-0030 LF CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	91.63	
50 89 87 69-0031 LF CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	98.38	
50 89 87 69-0032 LF CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	113.31	
50 89 87 69-0033 LF CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	119.51	
50 89 87 69-0034 LF CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	128.58	
50 89 87 69-0035 LF CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	148.33	
50 89 87 69-0036 LF CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	166.28	
50 89 87 69-0037 LF CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	170.98	
50 89 87 69-0038 LF CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	195.33	
50 89 87 69-0039 LF CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	211.26	
50 89 87 69-0040 LF CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	253.19	
50 89 87 69-0041 LF CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	283.39	
50 89 87 69-0042 LF CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	292.76	
50 89 87 69-0043 LF CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	331.53	
50 89 87 69-0044 LF CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	218.15	
50 89 87 69-0045 LF CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	85.96	
50 89 87 69-0046 LF CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	126.86	
50 89 87 69-0047 LF CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	120.45	
50 89 87 69-0048 LF CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	157.90	
50 89 87 69-0049 LF CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	259.60	
50 89 87 69-0050 LF CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	425.55	
50 89 87 69-0051 LF CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN.....	53.82	
50 89 87 69-0052 LF CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN.....	85.11	
50 89 87 69-0053 EA CALTRANS 692303 8" ANCHOR ASSEMBLY.....	707.33	
50 89 87 69-0054 EA CALTRANS 692305 12" ANCHOR ASSEMBLY.....	881.69	
50 89 87 69-0055 EA CALTRANS 692306 15" ANCHOR ASSEMBLY.....	988.49	
50 89 87 69-0056 EA CALTRANS 692307 18" ANCHOR ASSEMBLY.....	1,102.88	
50 89 87 69-0057 EA CALTRANS 692309 24" ANCHOR ASSEMBLY.....	1,355.24	
50 89 87 69-0058 EA CALTRANS 692311 30" ANCHOR ASSEMBLY.....	1,624.75	
50 89 87 69-0059 EA CALTRANS 692313 36" ANCHOR ASSEMBLY.....	1,894.43	
50 89 87 69-0060 EA CALTRANS 692319 54" ANCHOR ASSEMBLY.....	2,706.39	

### 50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES (50 89 87)

50 89 87 70-0001 LF CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK).....	213.41	
50 89 87 70-0002 LF CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK).....	213.41	
50 89 87 70-0003 LF CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK).....	240.25	
50 89 87 70-0004 LF CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK).....	265.37	
50 89 87 70-0005 LF CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK).....	322.03	
50 89 87 70-0006 LF CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK).....	318.21	
50 89 87 70-0007 LF CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK).....	351.57	
50 89 87 70-0008 LF CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK).....	216.99	
50 89 87 70-0009 LF CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	228.62	
50 89 87 70-0010 LF CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK).....	258.92	
50 89 87 70-0011 LF CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK).....	289.11	
50 89 87 70-0012 LF CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	342.91	
50 89 87 70-0013 LF CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK).....	138.19	31.82
For >1,000, Deduct	-6.91	
50 89 87 70-0014 LF CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK).....	196.60	34.71
For >1,000, Deduct	-9.83	
50 89 87 70-0015 LF CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK).....	223.92	36.37
For >1,000, Deduct	-11.20	
50 89 87 70-0016 LF CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK).....	318.77	47.73
For >1,000, Deduct	-15.94	
50 89 87 70-0017 LF CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK).....	423.55	82.27
For >1,000, Deduct	-21.18	
50 89 87 70-0018 LF CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK).....	464.37	82.27
For >1,000, Deduct	-23.22	
50 89 87 70-0019 LF CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK).....	501.12	94.94
For >1,000, Deduct	-25.06	
50 89 87 70-0020 LF CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK).....	594.34	94.94
For >1,000, Deduct	-29.72	
50 89 87 70-0021 LF CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK).....	582.21	110.76
For >1,000, Deduct	-29.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0022 LF CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK) .....	690.11	110.76
For >1,000, Deduct .....	-34.51	
50 89 87 70-0023 LF CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK) .....	775.69	132.90
For >1,000, Deduct .....	-38.78	
50 89 87 70-0024 LF CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK) .....	924.57	132.90
For >1,000, Deduct .....	-46.23	
50 89 87 70-0025 LF CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK) .....	1,603.37	148.73
For >1,000, Deduct .....	-80.17	
50 89 87 70-0026 LF CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK) .....	1,603.37	148.73
For >1,000, Deduct .....	-80.17	
50 89 87 70-0027 LF CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK) .....	1,841.17	167.72
For >1,000, Deduct .....	-92.06	
50 89 87 70-0028 LF CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK) .....	152.20	31.82
For >1,000, Deduct .....	-7.61	
50 89 87 70-0029 LF CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK) .....	212.20	34.71
For >1,000, Deduct .....	-10.61	
50 89 87 70-0030 LF CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK) .....	223.92	36.37
For >1,000, Deduct .....	-11.20	
50 89 87 70-0031 LF CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK) .....	345.21	47.73
For >1,000, Deduct .....	-17.26	
50 89 87 70-0032 LF CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK) .....	449.98	82.27
For >1,000, Deduct .....	-22.50	
50 89 87 70-0033 LF CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK) .....	493.75	82.27
For >1,000, Deduct .....	-24.69	
50 89 87 70-0034 LF CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK) .....	513.06	94.94
For >1,000, Deduct .....	-25.65	
50 89 87 70-0035 LF CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK) .....	626.27	110.76
For >1,000, Deduct .....	-31.31	
50 89 87 70-0036 LF CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK) .....	734.16	110.76
For >1,000, Deduct .....	-36.71	
50 89 87 70-0037 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK) .....	828.55	132.90
For >1,000, Deduct .....	-41.43	
50 89 87 70-0038 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK) .....	977.44	132.90
For >1,000, Deduct .....	-48.87	
50 89 87 70-0039 LF CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK) .....	1,665.05	148.73
For >1,000, Deduct .....	-83.25	
50 89 87 70-0040 LF CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK) .....	1,665.05	148.73
For >1,000, Deduct .....	-83.25	
50 89 87 70-0041 LF CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK) .....	1,911.66	167.72
For >1,000, Deduct .....	-95.58	
50 89 87 70-0042 EA CALTRANS 705007 12" STEEL FLARED END SECTION .....	531.65	76.28
50 89 87 70-0043 EA CALTRANS 705009 15" STEEL FLARED END SECTION .....	616.80	81.73
50 89 87 70-0044 EA CALTRANS 705011 18" STEEL FLARED END SECTION .....	739.50	87.18
50 89 87 70-0045 EA CALTRANS 705013 21" STEEL FLARED END SECTION .....	922.32	95.35
50 89 87 70-0046 EA CALTRANS 705015 24" STEEL FLARED END SECTION .....	1,211.94	103.53
50 89 87 70-0047 EA CALTRANS 705016 27" STEEL FLARED END SECTION .....	1,518.78	103.53
50 89 87 70-0048 EA CALTRANS 705019 30" STEEL FLARED END SECTION .....	1,831.09	117.15
50 89 87 70-0049 EA CALTRANS 705023 36" STEEL FLARED END SECTION .....	3,128.97	141.00
50 89 87 70-0050 EA CALTRANS 705027 42" STEEL FLARED END SECTION .....	4,002.60	164.50
50 89 87 70-0051 EA CALTRANS 705031 48" STEEL FLARED END SECTION .....	5,733.30	188.00
50 89 87 70-0052 EA CALTRANS 705035 54" STEEL FLARED END SECTION .....	6,349.00	235.00
50 89 87 70-0053 EA CALTRANS 705037 60" STEEL FLARED END SECTION .....	8,557.42	281.99
50 89 87 70-0054 EA CALTRANS 705039 66" STEEL FLARED END SECTION .....	9,638.70	423.00
50 89 87 70-0055 EA CALTRANS 705041 72" STEEL FLARED END SECTION .....	11,233.07	563.99
50 89 87 70-0056 EA CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION .....	621.54	76.28
50 89 87 70-0057 EA CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION .....	724.10	81.73
50 89 87 70-0058 EA CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION .....	868.83	87.18
50 89 87 70-0059 EA CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,094.84	95.35
50 89 87 70-0060 EA CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,449.83	103.53
50 89 87 70-0061 EA CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,827.50	103.53
50 89 87 70-0062 EA CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION .....	2,210.63	117.15
50 89 87 70-0063 EA CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION .....	3,806.78	141.00
50 89 87 70-0064 EA CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION .....	4,876.25	164.50
50 89 87 70-0065 EA CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION .....	7,008.11	188.00
50 89 87 70-0066 EA CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION .....	7,745.15	235.00
50 89 87 70-0067 EA CALTRANS 705201 12" CONCRETE FLARED END SECTION .....	972.70	136.89
50 89 87 70-0068 EA CALTRANS 705202 15" CONCRETE FLARED END SECTION .....	1,172.17	170.61
50 89 87 70-0069 EA CALTRANS 705204 18" CONCRETE FLARED END SECTION .....	1,422.67	215.97
50 89 87 70-0070 EA CALTRANS 705205 21" CONCRETE FLARED END SECTION .....	1,630.27	258.27
50 89 87 70-0071 EA CALTRANS 705206 24" CONCRETE FLARED END SECTION .....	1,987.27	298.92
50 89 87 70-0072 EA CALTRANS 705207 27" CONCRETE FLARED END SECTION .....	2,395.16	477.40
50 89 87 70-0073 EA CALTRANS 705208 30" CONCRETE FLARED END SECTION .....	2,492.94	657.29
50 89 87 70-0074 EA CALTRANS 705210 36" CONCRETE FLARED END SECTION .....	3,369.96	829.54
50 89 87 70-0075 EA CALTRANS 705212 42" CONCRETE FLARED END SECTION .....	4,050.20	1,040.80
50 89 87 70-0076 EA CALTRANS 705214 48" CONCRETE FLARED END SECTION .....	4,392.18	1,173.81
50 89 87 70-0077 EA CALTRANS 705216 54" CONCRETE FLARED END SECTION .....	4,923.42	1,314.69
50 89 87 70-0078 EA CALTRANS 705217 60" CONCRETE FLARED END SECTION .....	5,453.01	1,314.69
50 89 87 70-0079 EA CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION .....	784.99	87.18
50 89 87 70-0080 EA CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION .....	857.09	95.35
50 89 87 70-0081 EA CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION .....	924.41	103.53
50 89 87 70-0082 EA CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION .....	1,399.80	117.15
50 89 87 70-0083 EA CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION .....	2,691.69	141.00
50 89 87 70-0084 EA CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION .....	3,612.24	164.50

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0085 EA CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION.....	5,581.28	188.00
50 89 87 70-0086 EA CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION.....	6,390.27	235.00
50 89 87 70-0087 EA CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION.....	7,719.26	281.99
<b>50 89 87 71 EXISTING DRAINAGE FACILITIES (50 89 87)</b>		
Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRAN Standard.		
50 89 87 71-0001 EA CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE .....	480.07	
50 89 87 71-0002 LF CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF).....	60.09	
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-5.37	
For >1,000 To 2,000, Deduct	-8.06	
For >2,000 To 5,000, Deduct	-10.75	
For >5,000, Deduct	-13.43	
50 89 87 71-0003 CY CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL .....	256.38	
50 89 87 71-0004 CY CALTRANS 710370 SAND BACKFILL.....	62.88	
For Up To 10, Add	16.88	
For >10 To 25, Add	6.29	
50 89 87 71-0005 LF CALTRANS 710372 8" CURED-IN-PLACE PIPELINER .....	96.42	
For >10 To 25, Add	66.99	
For >25 To 50, Add	44.06	
For >50 To 100, Add	22.03	
For >500 To 1,000, Deduct	-2.98	
For >1,000 To 2,000, Deduct	-5.48	
For >2,000 To 5,000, Deduct	-8.45	
For >5,000, Deduct	-13.45	
50 89 87 71-0006 LF CALTRANS 710374 10" CURED-IN-PLACE PIPELINER .....	136.95	
For >10 To 25, Add	80.88	
For >25 To 50, Add	54.34	
For >50 To 100, Add	27.17	
For >500 To 1,000, Deduct	-3.88	
For >1,000 To 2,000, Deduct	-7.24	
For >2,000 To 5,000, Deduct	-11.12	
For >5,000, Deduct	-17.84	
50 89 87 71-0007 LF CALTRANS 710376 12" CURED-IN-PLACE PIPELINER .....	163.17	
For >10 To 25, Add	92.23	
For >25 To 50, Add	62.35	
For >50 To 100, Add	31.18	
For >500 To 1,000, Deduct	-4.52	
For >1,000 To 2,000, Deduct	-8.47	
For >2,000 To 5,000, Deduct	-12.99	
For >5,000, Deduct	-20.89	
50 89 87 71-0008 LF CALTRANS 710378 15" CURED-IN-PLACE PIPELINER .....	259.29	
For >10 To 25, Add	123.12	
For >25 To 50, Add	85.54	
For >50 To 100, Add	42.77	
For >500 To 1,000, Deduct	-6.61	
For >1,000 To 2,000, Deduct	-12.57	
For >2,000 To 5,000, Deduct	-19.18	
For >5,000, Deduct	-31.11	
50 89 87 71-0009 LF CALTRANS 710380 18" CURED-IN-PLACE PIPELINER .....	310.85	
For >10 To 25, Add	143.57	
For >25 To 50, Add	100.22	
For >50 To 100, Add	50.11	
For >500 To 1,000, Deduct	-7.83	
For >1,000 To 2,000, Deduct	-14.92	
For >2,000 To 5,000, Deduct	-22.75	
For >5,000, Deduct	-36.94	
50 89 87 71-0010 LF CALTRANS 710382 21" CURED-IN-PLACE PIPELINER .....	401.64	
For >10 To 25, Add	171.76	
For >25 To 50, Add	121.55	
For >50 To 100, Add	60.78	
For >500 To 1,000, Deduct	-9.78	
For >1,000 To 2,000, Deduct	-18.76	
For >2,000 To 5,000, Deduct	-28.54	
For >5,000, Deduct	-46.51	
50 89 87 71-0011 LF CALTRANS 710384 24" CURED-IN-PLACE PIPELINER .....	504.68	
For >10 To 25, Add	204.02	
For >25 To 50, Add	145.92	
For >50 To 100, Add	72.96	
For >500 To 1,000, Deduct	-12.00	
For >1,000 To 2,000, Deduct	-23.13	
For >2,000 To 5,000, Deduct	-35.12	
For >5,000, Deduct	-57.39	
50 89 87 71-0012 LF CALTRANS 710386 27" CURED-IN-PLACE PIPELINER .....	673.64	
For >10 To 25, Add	258.61	
For >25 To 50, Add	186.85	
For >50 To 100, Add	93.42	
For >500 To 1,000, Deduct	-15.68	
For >1,000 To 2,000, Deduct	-30.35	
For >2,000 To 5,000, Deduct	-46.03	
For >5,000, Deduct	-75.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0013 LF CALTRANS 710388 30" CURED-IN-PLACE PIPELINER .....	750.34	
<i>For &gt;10 To 25, Add</i>	287.73	
<i>For &gt;25 To 50, Add</i>	207.93	
<i>For &gt;50 To 100, Add</i>	103.97	
<i>For &gt;500 To 1,000, Deduct</i>	-17.45	
<i>For &gt;1,000 To 2,000, Deduct</i>	-33.80	
<i>For &gt;2,000 To 5,000, Deduct</i>	-51.25	
<i>For &gt;5,000, Deduct</i>	-83.94	
50 89 87 71-0014 LF CALTRANS 710390 36" CURED-IN-PLACE PIPELINER .....	900.42	
<i>For &gt;10 To 25, Add</i>	337.61	
<i>For &gt;25 To 50, Add</i>	245.08	
<i>For &gt;50 To 100, Add</i>	122.54	
<i>For &gt;500 To 1,000, Deduct</i>	-20.76	
<i>For &gt;1,000 To 2,000, Deduct</i>	-40.27	
<i>For &gt;2,000 To 5,000, Deduct</i>	-61.03	
<i>For &gt;5,000, Deduct</i>	-100.04	
50 89 87 71-0015 LF CALTRANS 710392 42" CURED-IN-PLACE PIPELINER .....	1,052.16	
<i>For &gt;10 To 25, Add</i>	391.65	
<i>For &gt;25 To 50, Add</i>	284.74	
<i>For &gt;50 To 100, Add</i>	142.37	
<i>For &gt;500 To 1,000, Deduct</i>	-24.19	
<i>For &gt;1,000 To 2,000, Deduct</i>	-46.95	
<i>For &gt;2,000 To 5,000, Deduct</i>	-71.13	
<i>For &gt;5,000, Deduct</i>	-116.65	
50 89 87 71-0016 LF CALTRANS 710394 48" CURED-IN-PLACE PIPELINER .....	1,206.35	
<i>For &gt;10 To 25, Add</i>	451.82	
<i>For &gt;25 To 50, Add</i>	328.07	
<i>For &gt;50 To 100, Add</i>	164.04	
<i>For &gt;500 To 1,000, Deduct</i>	-27.80	
<i>For &gt;1,000 To 2,000, Deduct</i>	-53.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-81.73	
<i>For &gt;5,000, Deduct</i>	-133.99	
50 89 87 71-0017 LF CALTRANS 710396 54" CURED-IN-PLACE PIPELINER .....	1,578.86	
<i>For &gt;10 To 25, Add</i>	583.69	
<i>For &gt;25 To 50, Add</i>	424.96	
<i>For &gt;50 To 100, Add</i>	212.48	
<i>For &gt;500 To 1,000, Deduct</i>	-36.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-70.29	
<i>For &gt;2,000 To 5,000, Deduct</i>	-106.49	
<i>For &gt;5,000, Deduct</i>	-174.68	
50 89 87 71-0018 LF CALTRANS 710398 60" CURED-IN-PLACE PIPELINER .....	2,012.03	
<i>For &gt;10 To 25, Add</i>	760.93	
<i>For &gt;25 To 50, Add</i>	551.43	
<i>For &gt;50 To 100, Add</i>	275.71	
<i>For &gt;500 To 1,000, Deduct</i>	-46.55	
<i>For &gt;1,000 To 2,000, Deduct</i>	-90.22	
<i>For &gt;2,000 To 5,000, Deduct</i>	-136.77	
<i>For &gt;5,000, Deduct</i>	-224.13	
50 89 87 71-0019 LF CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER .....	193.69	
<i>For &gt;500 To 1,000, Deduct</i>	-1.76	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.52	
<i>For &gt;2,000, Deduct</i>	-7.04	
50 89 87 71-0020 LF CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER .....	218.78	
<i>For &gt;500 To 1,000, Deduct</i>	-1.91	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.81	
<i>For &gt;2,000, Deduct</i>	-7.62	
50 89 87 71-0021 LF CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER .....	265.99	
<i>For &gt;500 To 1,000, Deduct</i>	-2.08	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.16	
<i>For &gt;2,000, Deduct</i>	-8.32	
50 89 87 71-0022 LF CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	33.47	
50 89 87 71-0023 LF CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	50.22	
50 89 87 71-0024 LF CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	67.65	
50 89 87 71-0025 LF CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	83.93	
50 89 87 71-0026 LF CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	109.95	
50 89 87 71-0027 LF CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	131.94	
50 89 87 71-0028 LF CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	151.04	
50 89 87 71-0029 LF CALTRANS 710448 12" CEMENTITIOUS PIPELINER .....	81.05	
50 89 87 71-0030 LF CALTRANS 710450 15" CEMENTITIOUS PIPELINER .....	90.82	
50 89 87 71-0031 LF CALTRANS 710452 18" CEMENTITIOUS PIPELINER .....	96.74	
50 89 87 71-0032 LF CALTRANS 710454 21" CEMENTITIOUS PIPELINER .....	103.72	
50 89 87 71-0033 LF CALTRANS 710456 24" CEMENTITIOUS PIPELINER .....	110.55	
50 89 87 71-0034 LF CALTRANS 710458 27" CEMENTITIOUS PIPELINER .....	115.99	
50 89 87 71-0035 LF CALTRANS 710460 30" CEMENTITIOUS PIPELINER .....	121.25	
50 89 87 71-0036 LF CALTRANS 710462 36" CEMENTITIOUS PIPELINER .....	116.42	
50 89 87 71-0037 LF CALTRANS 710478 36" WELDED STEEL PIPELINER .....	772.42	
50 89 87 71-0038 LF CALTRANS 710480 42" WELDED STEEL PIPELINER .....	891.50	
50 89 87 71-0039 LF CALTRANS 710482 48" WELDED STEEL PIPELINER .....	1,013.79	
50 89 87 71-0040 LF CALTRANS 710484 54" WELDED STEEL PIPELINER .....	1,235.37	
50 89 87 71-0041 LF CALTRANS 710486 60" WELDED STEEL PIPELINER .....	1,337.21	
50 89 87 71-0042 LF CALTRANS 710488 66" WELDED STEEL PIPELINER .....	1,460.95	
50 89 87 71-0043 LF CALTRANS 710490 72" WELDED STEEL PIPELINER .....	1,741.88	
50 89 87 71-0044 LF CALTRANS 710491 78" WELDED STEEL PIPELINER .....	1,838.89	
50 89 87 71-0045 LF CALTRANS 710492 84" WELDED STEEL PIPELINER .....	1,947.52	
50 89 87 71-0046 LF CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29") .....	713.01	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

50 89 87 71-0047	LF	CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33").....	894.80	
50 89 87 71-0048	LF	CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38").....	1,120.84	
50 89 87 71-0049	LF	CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43").....	1,356.91	
50 89 87 71-0050	LF	CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH).....	855.87	
50 89 87 71-0051	LF	CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH).....	987.15	
50 89 87 71-0052	LF	CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH).....	1,122.20	
50 89 87 71-0053	LF	CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH).....	1,374.19	
50 89 87 71-0054	LF	CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH).....	1,485.16	
50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH).....	1,946.95	
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5).....	144.31	
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5).....	181.50	
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5).....	224.64	
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5).....	259.86	
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5).....	298.36	
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5).....	341.90	
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5).....	387.04	
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5).....	451.25	
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5).....	518.76	
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5).....	574.95	
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5).....	631.13	
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5).....	725.67	
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5).....	820.21	
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5).....	1,068.90	
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5).....	1,314.34	
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5).....	1,388.40	
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5).....	1,751.35	
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26).....	175.65	
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26).....	220.95	
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26).....	273.85	
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26).....	316.94	
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26).....	364.10	
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26).....	417.50	
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26).....	472.89	
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26).....	551.92	
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26).....	635.04	
50 89 87 71-0082	LF	CALTRANS 710676 HDPE PLASTIC PIPELINER (34" OD SDR 26).....	704.12	
50 89 87 71-0083	LF	CALTRANS 710678 HDPE PLASTIC PIPELINER (36" OD SDR 26).....	773.21	
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26).....	889.85	
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26).....	1,006.49	
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26).....	1,314.28	
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26).....	1,618.04	
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26).....	1,709.28	
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26).....	2,158.17	
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21).....	216.13	
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21).....	271.90	
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21).....	337.42	
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21).....	390.66	
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21).....	449.00	
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21).....	515.14	
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21).....	583.77	
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21).....	681.94	
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21).....	785.24	
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21).....	870.98	
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21).....	956.73	
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21).....	1,101.91	
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21).....	1,247.10	
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21).....	1,631.23	
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21).....	2,010.32	
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21).....	2,123.76	
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21).....	2,683.65	

**50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION (50 89 80)****50 89 88 73 CONCRETE CURBS AND SIDEWALKS (50 89 88)**

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18".....	31.63	
		<i>For Up To 20, Add</i>	19.25	
		<i>For &gt;20 To 50, Add</i>	10.92	
		<i>For &gt;50 To 100, Add</i>	4.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.17	
		<i>For &gt;1,000, Deduct</i>	-7.04	
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24".....	36.29	
		<i>For Up To 20, Add</i>	21.47	
		<i>For &gt;20 To 50, Add</i>	12.16	
		<i>For &gt;50 To 100, Add</i>	4.66	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.66	
		<i>For &gt;1,000, Deduct</i>	-7.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0003    LF    CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18" .....	33.29	
For Up To 20, Add	19.67	
For >20 To 50, Add	11.14	
For >50 To 100, Add	4.27	
For >500 To 1,000, Deduct	-4.27	
For >1,000, Deduct	-7.23	
50 89 88 73-0004    LF    CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24" .....	38.48	
For Up To 20, Add	21.91	
For >20 To 50, Add	12.38	
For >50 To 100, Add	4.77	
For >500 To 1,000, Deduct	-4.77	
For >1,000, Deduct	-8.11	
50 89 88 73-0005    LF    CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36" .....	53.44	
For Up To 20, Add	29.87	
For >20 To 50, Add	16.86	
For >50 To 100, Add	6.51	
For >500 To 1,000, Deduct	-6.51	
For >1,000, Deduct	-11.10	
50 89 88 73-0006    LF    CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24" .....	46.39	
For Up To 20, Add	25.26	
For >20 To 50, Add	14.23	
For >50 To 100, Add	5.52	
For >500 To 1,000, Deduct	-5.52	
For >1,000, Deduct	-9.43	
50 89 88 73-0007    LF    CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36" .....	65.22	
For Up To 20, Add	34.84	
For >20 To 50, Add	19.60	
For >50 To 100, Add	7.62	
For >500 To 1,000, Deduct	-7.62	
For >1,000, Deduct	-13.06	
50 89 88 73-0008    LF    CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18" .....	42.00	
For Up To 20, Add	28.60	
For >20 To 50, Add	16.00	
For >50 To 100, Add	6.30	
For >500 To 1,000, Deduct	-5.50	
For >1,000, Deduct	-9.29	
50 89 88 73-0009    LF    CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24" .....	50.83	
For Up To 20, Add	34.60	
For >20 To 50, Add	19.35	
For >50 To 100, Add	7.62	
For >500 To 1,000, Deduct	-6.64	
For >1,000, Deduct	-11.23	
50 89 88 73-0010    LF    CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30" .....	66.32	
For Up To 20, Add	45.17	
For >20 To 50, Add	25.28	
For >50 To 100, Add	9.95	
For >500 To 1,000, Deduct	-8.70	
For >1,000, Deduct	-14.70	
50 89 88 73-0011    LF    CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36" .....	69.82	
For Up To 20, Add	47.53	
For >20 To 50, Add	26.58	
For >50 To 100, Add	10.47	
For >500 To 1,000, Deduct	-9.13	
For >1,000, Deduct	-15.44	
50 89 88 73-0012    SF    CALTRANS 730070 DETECTABLE WARNING SURFACE .....	59.49	
50 89 88 73-0013    CY    CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) .....	215.17	
For Up To 20, Add	15.29	
For >20 To 50, Add	5.73	
For >100 To 200, Deduct	-4.30	
For >200 To 400, Deduct	-8.61	
For >400, Deduct	-12.91	
50 89 88 73-0014    SF    CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4" .....	10.85	
For Up To 100, Add	4.74	
For >100 To 500, Add	1.35	
For >1,000 To 5,000, Deduct	-0.81	
For >5,000, Deduct	-1.76	
50 89 88 73-0015    SF    CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6" .....	12.65	
For Up To 100, Add	5.34	
For >100 To 500, Add	1.50	
For >1,000 To 5,000, Deduct	-0.87	
For >5,000, Deduct	-1.94	
50 89 88 73-0016    LF    CALTRANS 731700 REMOVE CURB .....	13.31	
50 89 88 73-0017    LF    CALTRANS 731710 REMOVE CONCRETE CURB (LF) .....	21.32	
For Up To 20, Add	14.92	
For >20 To 50, Add	8.53	
For >50 To 100, Add	3.20	
For >500 To 1,000, Deduct	-3.20	
For >1,000, Deduct	-5.33	
50 89 88 73-0018    SY    CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD) .....	113.96	
For Up To 100, Add	48.06	
For >100 To 500, Add	13.53	
For >1,000 To 5,000, Deduct	-7.83	
For >5,000, Deduct	-17.44	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0019 LF CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER).....	35.51	
<i>For Up To 20, Add</i>	24.86	
<i>For &gt;20 To 50, Add</i>	14.20	
<i>For &gt;50 To 100, Add</i>	5.33	
<i>For &gt;500 To 1,000, Deduct</i>	-5.33	
<i>For &gt;1,000, Deduct</i>	-8.88	
<b>50 89 88 78 INCIDENTAL CONSTRUCTION <small>(50 89 88)</small></b>		
50 89 88 78-0001 EA CALTRANS 780210 SURVEY MONUMENT (TYPE A).....	654.82	
50 89 88 78-0002 EA CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE .....	256.86	
50 89 88 78-0003 SF CALTRANS 780433 PAINT CURB (2-COAT).....	7.08	
50 89 88 78-0004 SF CALTRANS 780460 ANTI-GRAFFITI COATING .....	1.99	
<i>For Up To 100, Add</i>	1.17	
<i>For &gt;100 To 250, Add</i>	0.56	
<i>For &gt;250 To 500, Add</i>	0.25	
50 89 88 78-0005 EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE).....	111.82	24.07
<b>50 89 88 80 FENCES <small>(50 89 88)</small></b>		
Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.		
50 89 88 80-0001 LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST).....	14.40	
50 89 88 80-0002 LF CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST).....	15.27	
50 89 88 80-0003 LF CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST).....	17.60	
50 89 88 80-0004 LF CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST).....	16.34	
50 89 88 80-0005 LF CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST).....	13.55	
50 89 88 80-0006 LF CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST).....	18.46	
50 89 88 80-0007 LF CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)).....	8.73	
50 89 88 80-0008 LF CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD).....	52.32	
<i>For Up To 100, Add</i>	9.80	
<i>For &gt;100 To 250, Add</i>	3.59	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.80	
<i>For &gt;5,000, Deduct</i>	-3.59	
50 89 88 80-0009 LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5).....	50.76	
<i>For Up To 100, Add</i>	9.53	
<i>For &gt;100 To 250, Add</i>	3.50	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.75	
<i>For &gt;5,000, Deduct</i>	-3.50	
50 89 88 80-0010 LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4).....	52.39	
<i>For Up To 100, Add</i>	9.81	
<i>For &gt;100 To 250, Add</i>	3.59	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.80	
<i>For &gt;5,000, Deduct</i>	-3.59	
50 89 88 80-0011 LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD).....	54.11	
<i>For Up To 100, Add</i>	10.07	
<i>For &gt;100 To 250, Add</i>	3.68	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.84	
<i>For &gt;5,000, Deduct</i>	-3.68	
50 89 88 80-0012 LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5).....	56.17	
<i>For Up To 100, Add</i>	10.44	
<i>For &gt;100 To 250, Add</i>	3.81	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.91	
<i>For &gt;5,000, Deduct</i>	-3.81	
50 89 88 80-0013 LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD).....	58.33	
<i>For Up To 100, Add</i>	10.76	
<i>For &gt;100 To 250, Add</i>	3.92	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.96	
<i>For &gt;5,000, Deduct</i>	-3.92	
50 89 88 80-0014 LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6).....	60.67	
<i>For Up To 100, Add</i>	11.24	
<i>For &gt;100 To 250, Add</i>	4.10	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.05	
<i>For &gt;5,000, Deduct</i>	-4.10	
50 89 88 80-0015 LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD).....	65.07	
<i>For Up To 100, Add</i>	11.90	
<i>For &gt;100 To 250, Add</i>	4.32	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.16	
<i>For &gt;5,000, Deduct</i>	-4.32	
50 89 88 80-0016 LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM).....	62.55	
<i>For Up To 100, Add</i>	11.52	
<i>For &gt;100 To 250, Add</i>	4.20	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.10	
<i>For &gt;5,000, Deduct</i>	-4.20	
50 89 88 80-0017 LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED).....	125.74	
<i>For Up To 100, Add</i>	21.54	
<i>For &gt;100 To 250, Add</i>	7.63	
<i>For &gt;2,500 To 5,000, Deduct</i>	-3.81	
<i>For &gt;5,000, Deduct</i>	-7.63	
50 89 88 80-0018 LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8).....	71.13	
<i>For Up To 100, Add</i>	13.04	
<i>For &gt;100 To 250, Add</i>	4.74	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.37	
<i>For &gt;5,000, Deduct</i>	-4.74	
50 89 88 80-0019 EA CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4).....	455.09	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0020	EA	CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4).....	537.76	
50 89 88 80-0021	EA	CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4).....	632.62	
50 89 88 80-0022	EA	CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4).....	1,529.22	
50 89 88 80-0023	EA	CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5).....	959.33	
50 89 88 80-0024	EA	CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5).....	2,159.79	
50 89 88 80-0025	EA	CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5).....	2,499.94	
50 89 88 80-0026	EA	CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5).....	2,792.45	
50 89 88 80-0027	EA	CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6).....	464.69	
50 89 88 80-0028	EA	CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6).....	587.20	
50 89 88 80-0029	EA	CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD).....	305.70	
50 89 88 80-0030	EA	CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	606.28	
50 89 88 80-0031	EA	CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED).....	627.00	
50 89 88 80-0032	EA	CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6).....	686.76	
50 89 88 80-0033	EA	CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6).....	797.85	
50 89 88 80-0034	EA	CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6).....	1,024.83	
50 89 88 80-0035	EA	CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	1,045.63	
50 89 88 80-0036	EA	CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6).....	1,136.63	
50 89 88 80-0037	EA	CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6).....	1,679.95	
50 89 88 80-0038	EA	CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6).....	1,990.99	
50 89 88 80-0039	EA	CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6).....	2,373.19	
50 89 88 80-0040	EA	CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6).....	2,690.61	
50 89 88 80-0041	EA	CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6).....	3,017.38	
50 89 88 80-0042	EA	CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6).....	3,349.11	
50 89 88 80-0043	EA	CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6).....	4,025.89	
50 89 88 80-0044	EA	CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7).....	3,185.76	
50 89 88 80-0045	LF	CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM).....	73.01	
		<i>For Up To 100, Add</i>	13.32	
		<i>For &gt;100 To 250, Add</i>	4.83	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.42	
		<i>For &gt;5,000, Deduct</i>	-4.83	
50 89 88 80-0046	EA	CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8).....	724.86	
50 89 88 80-0047	EA	CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	743.94	
50 89 88 80-0048	EA	CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8).....	969.96	
50 89 88 80-0049	EA	CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	1,263.56	
50 89 88 80-0050	EA	CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD).....	1,701.87	
50 89 88 80-0051	LF	CALTRANS 803050 REMOVE CHAIN LINK FENCE.....	7.24	
		<i>For Up To 100, Add</i>	1.81	
		<i>For &gt;100 To 250, Add</i>	0.72	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.36	
		<i>For &gt;5,000, Deduct</i>	-0.72	
50 89 88 80-0052	EA	CALTRANS 803060 REMOVE GATE.....	327.28	
50 89 88 80-0053	EA	CALTRANS 803160 RESET GATE.....	1,537.01	
50 89 88 80-0054	LF	CALTRANS 803180 RELOCATE CHAIN LINK FENCE.....	33.21	
<b>50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES (50 89 80)</b>				
<b>50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES (50 89 89)</b>				
50 89 89 81-0001	EA	CALTRANS 810120 REMOVE PAVEMENT MARKER.....	2.93	
		<i>For &gt;100, Deduct</i>	-0.29	
50 89 89 81-0002	EA	CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE).....	7.88	2.93
		<i>For &gt;100, Deduct</i>	-0.79	
		<i>For &gt;100, Deduct</i>	-0.79	
50 89 89 81-0003	EA	CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	9.11	2.93
		<i>For &gt;100, Deduct</i>	-0.91	
		<i>For &gt;100, Deduct</i>	-0.91	
50 89 89 81-0004	EA	CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED).....	85.70	36.19
<b>50 89 89 82 SIGNS AND MARKERS (50 89 89)</b>				
50 89 89 82-0001	EA	CALTRANS 820110 MILEPOST MARKER.....	214.36	
50 89 89 82-0002	SF	CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	27.56	40.83
50 89 89 82-0003	SF	CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED).....	28.32	26.42
<b>50 89 89 83 RAILINGS AND BARRIERS (50 89 89)</b>				
50 89 89 83-0001	LF	CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST).....	64.82	11.55
50 89 89 83-0002	LF	CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	131.72	17.84
50 89 89 83-0003	LF	CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST).....	163.56	3.17
50 89 89 83-0004	LF	CALTRANS 839752 REMOVE GUARDRAIL.....	11.55	
<b>50 89 89 84 MARKINGS (50 89 89)</b>				
50 89 89 84-0001	LF	CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE.....	3.00	
		<i>For Up To 5,000 LF, Add</i>	0.60	
		<i>For &gt;25,000 LF, Deduct</i>	-0.45	
50 89 89 84-0002	LF	CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE.....	3.97	
		<i>For Up To 5,000 LF, Add</i>	0.79	
		<i>For &gt;25,000 LF, Deduct</i>	-0.60	
50 89 89 84-0003	LF	CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4).....	1.72	
		<i>For Up To 5,000 LF, Add</i>	0.34	
		<i>For &gt;25,000 LF, Deduct</i>	-0.26	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0004 LF CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	1.41	
For Up To 5,000 LF, Add	0.28	
For >25,000 LF, Deduct	-0.21	
50 89 89 84-0005 SF CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING.....	12.09	
50 89 89 84-0006 SF CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING.....	12.09	
50 89 89 84-0007 LF CALTRANS840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1).....	0.91	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
50 89 89 84-0008 LF CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	1.08	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.16	
50 89 89 84-0009 LF CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.29	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.19	
50 89 89 84-0010 LF CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7).....	1.50	
For Up To 5,000 LF, Add	0.30	
For >25,000 LF, Deduct	-0.23	
50 89 89 84-0011 LF CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12).....	2.14	
For Up To 5,000 LF, Add	0.43	
For >25,000 LF, Deduct	-0.32	
50 89 89 84-0012 LF CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.70	
For Up To 5,000 LF, Add	0.34	
For >25,000 LF, Deduct	-0.26	
50 89 89 84-0013 LF CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE .....	0.88	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
50 89 89 84-0014 LF CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE .....	1.06	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.16	
50 89 89 84-0015 LF CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3).....	0.59	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0016 LF CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1).....	0.54	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0017 LF CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0018 LF CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.47	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
50 89 89 84-0019 LF CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0020 LF CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12).....	0.69	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.10	
50 89 89 84-0021 LF CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0022 LF CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.73	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
50 89 89 84-0023 SF CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING .....	8.99	
50 89 89 84-0024 SF CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS.....	7.35	
50 89 89 84-0025 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide .....	0.40	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
50 89 89 84-0026 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide .....	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0027 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide .....	0.65	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
50 89 89 84-0028 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide .....	0.78	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
50 89 89 84-0029 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide .....	1.02	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
50 89 89 84-0030 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide .....	1.31	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.20	
50 89 89 84-0031 SF CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT) .....	7.35	
50 89 89 84-0032 SF CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT) .....	11.23	
50 89 89 84-0033 LF CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE.....	2.38	
For Up To 250, Add	1.19	
For >250 To 1,000, Add	0.60	
For >5,000 To 10,000, Deduct	-0.36	
For >10,000 To 25,000, Deduct	-0.60	
For >25,000 To 50,000, Deduct	-0.83	
For >50,000, Deduct	-0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0034 SF CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING .....	4.12	
<i>For Up To 250, Add</i>	2.06	
<i>For &gt;250 To 1,000, Add</i>	1.03	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.62	
<i>For &gt;10,000 To 25,000, Deduct</i>	-1.03	
<i>For &gt;25,000 To 50,000, Deduct</i>	-1.44	
<i>For &gt;50,000, Deduct</i>	-1.65	
50 89 89 84-0035 LF CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE .....	3.62	
<i>For Up To 250, Add</i>	1.81	
<i>For &gt;250 To 1,000, Add</i>	0.91	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.54	
<i>For &gt;10,000 To 25,000, Deduct</i>	-0.91	
<i>For &gt;25,000 To 50,000, Deduct</i>	-1.27	
<i>For &gt;50,000, Deduct</i>	-1.45	
50 89 89 84-0036 SF CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING .....	5.23	
<i>For Up To 250, Add</i>	2.62	
<i>For &gt;250 To 1,000, Add</i>	1.31	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.78	
<i>For &gt;10,000 To 25,000, Deduct</i>	-1.31	
<i>For &gt;25,000 To 50,000, Deduct</i>	-1.83	
<i>For &gt;50,000, Deduct</i>	-2.09	

**END OF SECTION 50**

**50 Custom Standards And Assemblies**

50 89 CALTRANS Custom Standards And Assemblies

50 89 80 CALTRANS Construction Performance Requirements



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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30 Patewood Drive  
Building 2, Suite 350  
Greenville, South Carolina 29615